

**United States
Patent Classification
To
International
Patent Classification**

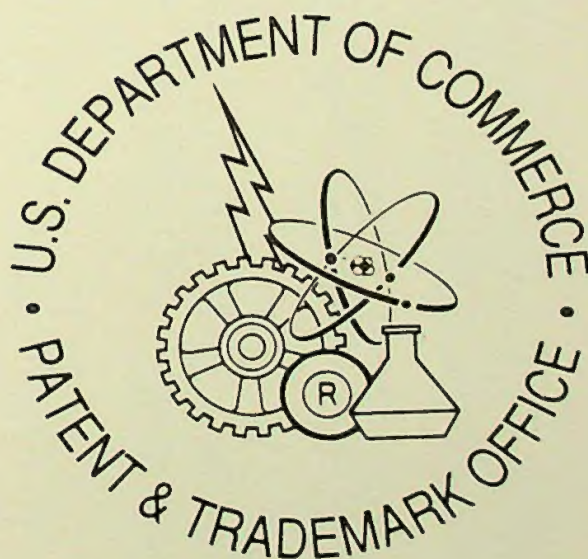
**CONCORDANCE
1990 EDITION**



U.S. Department of Commerce • Patent and Trademark Office

CONCORDANCE 1990 EDITION

United States Patent Classification to International Patent Classification



**U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Patent Documentation Organizations**

CONCORDANCE 1980 EDITION

United States
Patent
Classification
to
International
Patent
Classification



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Patent Documentation Organization

PREFACE

This Concordance is a guide for relating the United States Patent Classification System to the Fifth Edition of the International Patent Classification (IPC) as published for the World Intellectual Property Organization by Carl Heymanns Verlag KG, Munich.

Because of the difference in philosophies of the two systems, a complete one-to-one relationship has not been attained. Even where a single IPC notation is listed for a single U.S. subclass, a one-to-one translation should not be inferred.

As a result, an IPC group listed in this Concordance may be only a guide to a field of adjacent groups within the whole of which a different group may be found which is more closely aligned to the subject matter under consideration by the user.

Suggestions or inquiries relating to the content of this publication should be directed to:

COMMISSIONER OF PATENTS AND TRADEMARKS

ATTENTION: Administrator for Documentation
Washington, D.C. 20231

The present edition relates the U.S. Patent Classification, as revised through June 1989, (Classification Order No. 1288) to the Fifth Edition of the IPC.

INTRODUCTION

This Commission is a body set up by the United States Government to study the relations between the United States and the Soviet Union. It was established by the President in 1946 and is now known as the Commission on the Relations between the United States and the Soviet Union.

One of the main purposes of the Commission is to study the relations between the United States and the Soviet Union and to make recommendations to the President on how to improve these relations. The Commission has held many public hearings and has received many suggestions from the public.

As a result of its work, the Commission has made many suggestions to the President on how to improve the relations between the United States and the Soviet Union. These suggestions have been taken into consideration by the President and have helped to improve the relations between the two countries.

The Commission is now continuing its work and is making many more suggestions to the President on how to improve the relations between the United States and the Soviet Union.

COMMISSIONER OF PATENT AND TRADEMARKS
ATTENTION: Administration of Patents and Trademarks
Washington, D.C. 20530

The Patent Office is now accepting applications for patents and trademarks. If you are interested in applying for a patent or trademark, you should contact the Patent Office for more information.

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 2			123	A 41 B	7/00	267,268	A 41 D	27/26	265,266	A 61 J	19/04	447	A 61 H	35/00
APPAREL			124	A 41 B	7/04	269,270	A 41 D	27/10	267-285	A 61 J	19/00		E 03 D	9/08
1	A 41 D	13/00			7/06	271	A 41 D	27/22	286,287	A 47 K	1/14	448	A 61 H	35/00
2	A 41 D	17/00			7/10	272	A 41 D	27/02		E 03 C	1/26	449	A 47 K	11/02
2.1	A 62 B	11/04	125,126	A 41 B	1/08	273,274	A 41 D	27/00	288-292	E 03 C	1/26	450-457	A 61 G	9/00
	B 63 C	11/04		A 41 D	27/10	275	A 41 D	27/24	293	A 47 K	1/14	458	B 60 R	15/04
	B 64 D	10/00	127	A 41 B	1/12	279	A 41 B	15/00	294	A 47 K	1/14	459	A 47 K	11/03
2.5	F 41 H	1/02	128	A 41 B	1/10	300-310	A 41 F	19/00		E 03 D	9/02	460	A 47 K	11/02
		1/04	129	A 41 B	3/00	311-322	A 41 F	9/00	295	A 47 K	1/14		E 04 H	1/12
4.5	A 42 B	3/00	130	A 41 B	3/00	323-334	A 41 F	3/00	300	E 03 D	1/00	461	A 47 K	4/00
6	A 42 B	3/00			3/12			19/00			3/00			11/02
	A 62 B	18/00	131-134	A 41 B	3/00	335	A 41 F	11/00			5/00	462,463	A 47 K	4/00
7.8	A 42 B	1/00	135,136	A 41 B	3/16			13/00	300.1	A 47 K	10/18	464-475	A 47 K	11/03
	A 61 F	9/00	137,138	A 41 B	3/12	336	A 41 F	1/00			10/24	476-479	A 47 K	11/04
9	A 41 D	13/00	139,140	A 41 B	3/04			19/00		E 03 D	11/02	480	A 47 K	11/06
	A 42 B	1/00	141	A 41 B	3/02	337	A 41 F	19/00	300.2	A 61 G	9/00		A 61 G	7/02
10-15	A 61 F	9/00	142,143	A 41 B	3/00	338-340	A 41 F	9/00		E 03 D	3/00	481,482	A 47 K	11/06
16,17	A 41 D	13/08	144	A 41 D	25/00			15/00	300.3	E 03 D	9/00	483	A 47 K	11/04
		13/10	145	A 41 D	25/04	341,342	A 41 F	19/00		F 15 D	1/00	484	A 47 K	11/06
	A 61 F	9/00	146	A 41 D	25/12	400	A 41 B	9/00	301-311	E 03 D	13/00	485,486	A 47 K	13/00
18,19	A 41 D	13/08	147	A 41 D	25/00	401	A 41 B	9/00	312	E 03 D	11/12	487	A 47 K	3/00
		13/10	148-151	A 41 D	25/02			9/02	313,314	E 03 D	1/00		E 04 H	9/00
20	A 41 D	13/00	152,153	A 41 D	25/08	402	A 41 B	9/08	315	E 03 D	9/10	488-490	E 04 H	4/00
21	A 47 J	45/10			25/14	403-405	A 41 B	9/02	316	B 64 D	11/02	491	A 47 K	3/10
22-24	A 41 D	13/00	154	A 41 D	25/08	406-408	A 41 B	9/04	317,318	E 03 D	5/016	492-496	E 04 H	4/00
		13/06			25/16	409	A 41 B	11/04	319,320	E 03 D	9/10	497	A 47 K	3/10
44,45	A 61 F	5/02	155,156	A 41 D	25/16	410	A 42 B	1/06	321-323	E 03 D	1/00		F 04 D	35/00
46,47	A 41 D	27/12	157	A 41 D	25/00	411-416	A 42 B	3/00	324-327	E 03 D	1/14	498-509	E 04 H	4/00
48-52	A 41 B	13/10	158	A 41 D	19/00	417-420	A 42 B	1/22	328	E 03 D	1/06	510-512	E 04 H	4/00
	A 41 D	13/04	159-168	A 41 D	19/02	421	A 42 B	7/00	329-332	E 03 D	1/24	513	E 04 H	4/00
53-59	A 41 D	27/12	169	A 41 D	19/02	422	A 42 B	1/24	333-339	E 03 D	1/18	514	A 47 K	3/14
60	A 41 D	27/16	170	A 41 D	5/04	423,424	A 42 B	1/08	340	E 03 D	1/22		E 03 C	1/186
61-63	A 41 D	27/12	171-171.2	A 42 B	1/06	425	A 63 B	71/10	341	E 03 D	9/06	515	A 45 D	19/00
64	A 41 D	5/00	171.3-171.8	A 42 C	1/18	426-454	A 61 F	9/02	342	E 03 D	1/22	516	A 45 D	19/04
65,66	A 41 D	5/00	172	A 42 B	5/00				343	E 03 D	1/02	517	A 45 D	19/00
67	A 41 D	7/00	173	A 42 B	5/00				344	E 03 D	1/06	518	A 45 D	19/02
		1/12	173.5-177	A 42 B	5/00				345,346	E 03 D	5/00			19/14
68	A 42 B	1/12	178-180	A 42 C	5/00				347	E 03 D	9/04	519	A 45 D	19/08
69-72	A 41 B	9/00	181-182.8	A 42 B	5/00				348,349	E 03 D	9/05			19/10
	A 41 D	1/22			1/22				350	E 03 D	1/22	520-522	A 45 D	44/08
73	A 41 B	9/00	183	A 42 B	5/02						9/05	523	A 45 D	44/10
74	A 41 D	1/22	184	A 42 B	5/02	111.1-111.6	A 47 K	11/02	351,352	E 03 D	9/05	524-537	A 61 H	33/06
75	A 41 D	11/00	184.5	A 42 C	5/04	114.1	B 60 R	15/00	353	E 03 D	1/00	538	A 47 K	3/02
76	A 41 B	9/14	185-191	A 42 C	5/00	144.1-144.4	A 47 K	11/00	354-362	E 03 D	3/10	539	A 47 K	4/00
	A 41 F	9/00	192-194	A 42 C	1/02	191	E 03 C	1/00	363	E 03 D	1/22	540	A 47 K	3/022
77	A 41 B	1/00	195	A 42 B	1/04	192-194	E 03 C	1/04	364	E 03 D	1/20	541	E 03 C	1/02
78	A 41 B	9/00			1/04	195,196	E 03 C	1/12	365	E 03 D	1/02	542-548	A 61 H	33/02
79	A 41 D	1/06	196	A 42 B	1/02			1/22	366,367	E 03 D	1/36	549,550	A 47 K	3/08
		13/02	197-201	A 42 B	1/04	197	E 03 C	1/28	368-371	E 03 D	1/06	551	A 47 K	3/02
80	A 41 D	11/00			1/04			1/24	372	E 03 D	1/07	552	A 47 K	4/00
81	A 41 D	1/04	202-205	A 42 B	1/18	198-202	E 03 C	1/22	373,374	E 03 D	1/08	553,554	A 47 K	1/10
82	A 41 B	10/00	206	A 42 B	5/00	203,204	E 03 C	1/23	375	E 03 D	1/10			3/03
83	A 41 D	3/02	207	A 42 B	5/04	205	E 03 C	1/23	376,377	E 03 D	1/06			3/18
84	A 41 D	3/08	208,209	A 42 B	5/04	206	E 03 C	1/24	378-391	E 03 D	1/34	555,556	A 47 K	3/02
85,86	A 41 D	15/04	209.1,209.2	A 42 C	1/14	207	E 03 C	1/00	392-404	E 03 D	1/35	557,558	A 47 K	3/08
87	A 41 D	1/04	209.3-209.7	A 42 C	27/26	208	E 03 C	1/12	405	E 03 D	5/00			3/14
88	A 41 D	23/00			1/14	209	E 03 D	9/04	406	E 03 D	5/10	559	A 47 K	3/00
89	A 41 D	1/00	210	A 41 D	19/00	210	B 61 D	27/00	407	E 03 D	5/12	560-566	A 47 K	3/12
		1/04	211-222	A 41 F	13/02	211-216	E 03 D	9/04	408,409	E 03 D	5/04	567-570	A 47 K	3/20
90	A 41 D	1/00	223	A 41 F	1/06	217	A 47 K	13/00	410-414	E 03 D	5/09			4/00
91	A 41 D	1/00	227-235	A 41 D	1/06			13/12	415,416	E 03 D	1/00	571	A 47 K	3/02
92	A 41 D	1/00			13/02	218	E 03 F	5/08	417,418	E 03 D	11/00	572	A 47 K	3/024
93-101	A 41 D	1/00	236,237	A 41 D	13/02	219	E 03 F	9/02	419	E 03 D	1/012	573-579	A 47 K	3/022
		1/04			9/00	220	E 03 D	5/08	420	E 03 D	11/00			3/12
102,103	A 41 D	1/20	238	A 41 F	11/00	221	E 03 F	5/08	420.1	A 47 K	3/20	580-584	A 47 K	3/02
104	A 41 D	1/22	239,240	A 43 B	17/00	222-232	E 03 D	9/02			4/00	585	A 47 K	3/06
105	A 41 D	1/18			11/02	233-235	A 47 K	13/00	420.2	E 03 D	9/08	586	A 47 K	3/024
106,107	A 41 D	1/02	241	A 41 B	11/00	236	A 47 K	13/12		A 61 H	35/00	587	A 47 K	3/164
108	A 41 B	9/00	242	A 41 B	17/02	237-239	A 47 K	13/10		E 03 D	9/08	588	A 47 K	3/064
109,110	A 41 B	9/00			27/08	240	A 47 K	13/14	420.3	A 47 K	4/00	589,590	A 47 K	3/022
111	A 41 B	9/00	243	A 41 D	23/24	241	A 47 K	13/18			3/20	591	A 47 K	3/02
		9/06	244	A 41 D	27/20	242-246	A 47 K	13/04			4/00	592	A 47 K	3/00
112	A 41 B	9/00	245	A 43 B	1/14	247	A 47 K	13/10	420.4,420.5	A 47 K	3/20	593	A 47 K	3/16
113	A 41 B	10/00	246	A 41 D	27/06	248	E 03 D	5/04			4/00	594	A 47 K	3/02
114	A 41 D	1/00	247-254	A 41 C	3/14	249	E 03 D	11/00			11/02	595	A 47 K	3/17
115	A 41 B	1/00	255-264	A 41 D	3/16	250	A 47 K	13/00	421-430	E 03 D	11/18	596-598	A 47 K	3/22
116	A 41 B	1/00			3/18	251	E 03 D	11/00			11/00	599,600	A 47 K	3/22
		1/08	265	D 05 B	3/12	252	A 47 K	11/00			11/10			3/23
117	A 41 B	1/18			3/18	253	E 03 D	11/00	431-433	E 03 D	3/22	601-605	A 47 K	3/22
118	A 41 B	1/22			1/02	254-257	A 61 J	19/04	434-442	A 47 K	35/00	606	A 47 K	7/02
119	A 41 B	1/18	266	A 41 F	1/02	258-261	A 61 J	17/06	443	A 61 H	3/22	607-618	A 47 K	3/22
120	A 41 B	1/08			3/12	262	A 61 C	17/14	444,445	A 47 K	1/20	619	A 47 K	1/04
121,122	A 41 B					263,264			446	E 03 C				

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 4—Con.			24-39	A 47 C	17/04	447	A 47 C	20/00	151-156	B 25 F	1/00			11/55
			40	A 47 C	17/04	448	A 47 C	27/00		B 67 B	7/00			11/65
620	A 61 H	33/00	41-50	A 47 C	17/04	449-454	A 47 C	27/08	157	B 25 F	1/00			11/66
621,622	A 47 K	3/022	51-59	A 47 C	17/00	455,456	A 47 C	27/10	158-163	B 26 B	11/00			11/67
	A 61 H	35/00	60	A 47 C	19/00	457,458	A 47 C	27/08	164	B 25 F	1/00			11/69
	E 03 C	1/00		A 61 G	7/00	459-462	A 47 C	27/00	165	B 25 B	15/00			11/70
623	E 03 C	1/05	61	A 61 G	7/10	463	A 61 G	7/02	166	B 66 F	15/00			11/72
624	E 03 C	1/02	62-65	A 61 G	7/00	464,465	A 47 C	27/00	167,168	B 25 G	1/00			11/79
		1/16	66-80	A 61 G	7/05	466,467	A 47 C	31/08	169,170	B 25 F	1/00			11/81
625-627	A 47 K	1/00	81	A 61 G	7/08	468	A 47 C	27/00						13/184
628	A 47 K	1/04	82	A 61 G	1/00	469	A 47 C	21/04						13/224
		1/09	83-88	A 61 G	7/10	470-472	A 47 C	31/02	U.S. Class 8			122	D 06 M	11/00
		5/00	89	A 61 G	1/00	473,474	A 47 C	27/00	BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS					13/00
		7/02	90	A 61 G	7/02	475-477	A 47 C	27/04				123	D 06 M	13/244
		1/18	93	A 47 D	7/00	478,479	A 47 C	27/045						23/00
629	E 03 C	1/00			13/06	480	A 47 C	27/00						11/00
630	A 47 B	77/06	94-96	A 47 D	7/04	481	A 47 C	27/14						13/00
	A 47 K	1/04	97-99	A 47 C	29/00	482	A 47 C	27/22				125,127	D 06 M	23/00
	E 03 C	1/00		A 47 D	7/00		A 47 G	31/10				127.1	D 06 M	11/38
631,632	A 47 K	1/33	100	A 47 D	7/02	483-487	A 47 G	9/00	94.1	C 14 C	19/00			11/00
	E 03 C	1/33	101-104	A 47 D	9/00	488,489	A 47 G	9/00		D 06 M	17/00			13/00
633-636	E 03 C	1/33	105-109	A 47 D	9/02	490	A 47 G	21/02	94.11	A 61 L	51/02			13/244
637	A 47 B	77/06			9/04	491-493	A 47 C	9/02		A 63 B	3/00	127.5	D 06 M	23/00
	A 47 K			B 02 B		494-496	A 47 G	9/04	94.12	D 01 C	1/00			11/00
	E 03 C		110	A 47 C	17/00	497	A 47 G	21/02	94.13	C 14 C	11/00			13/00
638	A 47 B	1/185	111	A 47 C	19/00	498	A 47 C	31/00		C 14 C	13/00			23/00
	E 03 C	1/12	112	A 47 C	19/04	499,500	A 47 C	21/02	94.14	D 06 M	1/00	127.51	A 61 K	7/06
639	A 47 K	4/00	113	A 47 C	17/64	501,502	A 47 G	9/00		C 14 C	1/06	127.6	D 06 M	11/00
		1/01	114,115	A 47 C	29/00	503	A 47 C	31/00	94.15	C 14 C	1/00	128.1,128.3	D 06 M	13/00
640-642	E 03 C	1/01	116	A 47 C	17/64	504-506	A 47 C	21/02	94.16	C 14 C	1/00			15/00
643-645	A 47 K	1/05	117	A 47 C	17/70	507	A 47 B	23/02	94.17	C 14 C	1/08	129,130	D 06 M	11/00
	E 03 C	1/32	118,119	A 47 C	17/64	508	A 47 C	21/00		C 14 C	1/00			13/00
646	E 03 C	1/326		B 60 P	3/38	509-511	A 47 C	31/00	94.18	C 14 C	3/00			23/00
647,648	E 03 C	1/322	120-126	A 45 F	3/22	512,513	A 47 G	21/00	94.19	C 14 C	5/00	130.1	D 06 M	11/00
649	E 03 C	1/33			4/08			5/00	94.2-94.23	C 14 C	11/00	131	D 06 M	13/00
650	A 47 K	1/04	127-130	A 45 F	3/24				94.24	C 14 C	3/18			15/00
	E 03 C	1/14	131,132	A 47 C	19/00	U.S. Class 7			94.25,94.26	C 14 C	3/02	132	D 06 M	11/26
		1/18	133-173	A 47 C	17/38	COMPOUND TOOLS					3/04	133	D 06 M	
		1/182	174-180	A 47 C	19/12				94.27	C 14 C	3/06	137-142	D 06 F	
651	E 03 C	1/24	181-185	A 47 C	19/04				94.28,94.29	C 14 C	3/04			
652	E 03 C	1/264	186-229	A 47 C	19/00				94.3	C 14 C	3/10	147-159	D 06 B	1/06
653	E 03 C	1/02	230-235	A 47 C	23/00				94.31	C 14 C	3/24	160,161	C 14 C	13/322
		1/12	236-238	A 47 C	23/06				94.32	C 14 C	3/10	181-196	D 06 M	5/00
		1/182	239-245	A 47 C	23/30				94.33	C 14 C	3/08	400	D 06 P	6/700
654	A 47 K	1/06	246-277	A 47 C	23/02				101,102	D 06 L	3/00	401	C 09 B	3/60
	E 03 C	1/06			23/04				103	D 06 L	3/04	402	D 06 P	5/13
655	A 47 K	47/20	278-307	A 47 C	19/00				107	D 06 L	3/06	403	D 06 P	3/04
656	A 47 J	19/02	308	A 47 C	19/00				108,1,109	D 06 L	3/10	404	A 61 K	7/13
	A 47 L	19/04			19/22				110	D 06 L	3/02	405-435	D 06 P	3/32
657	A 47 K		309-316	A 47 C	19/00						3/04	436,437	C 09 B	61/00
	E 03 C				23/00				111	D 06 L		438,439	C 09 B	67/34
658	A 47 J	47/20	400	A 47 C	19/00				112	D 01 C		440	D 06 P	5/02
	E 03 C	1/181	401	A 47 C	19/00					D 04 H		441,442	D 06 M	11/00
659	A 47 K	3/12	402	A 47 C	31/02				114	D 06 M	1/00	443	D 06 M	13/00
		3/164			7/12				114.5	D 06 Q				15/00
660	E 03 C		403-410	A 47 C	31/02					D 06 Q	1/02	444	D 06 P	5/20
661	A 47 K		411	A 47 C	27/00				114.6,115	D 06 Q		445	D 06 P	5/00
	E 03 C		412	A 47 C	19/04				115.51-115.69	D 06 M	11/00	446-456	D 06 P	5/12
662-665	A 47 K	4/00	413,414	A 47 C	29/00				115.7	D 06 M	13/00	457-464	D 06 P	5/15
	E 03 C	1/01	415	B 62 B	9/14						15/00	465	D 06 P	1/22
666	E 03 D	9/00	416	A 45 F	4/06						11/00	466	D 06 P	1/02
					4/08				116.1	D 06 M	13/00	467-477	D 06 P	
U.S. Class 5			417-420	A 47 G	9/08						23/00	478-487	D 06 P	5/00
BEDS			421	A 47 G	9/06				116.4	D 06 M	13/12	488	D 06 P	7/00
				A 47 C	21/04				117,118	D 06 M	11/00	489	D 06 P	5/00
				A 61 F	7/00						13/00	490	D 06 P	5/00
1	A 47 C	31/00	422	A 47 C	27/08						23/00	491	D 06 P	7/00
2	A 47 B	83/00	423	A 47 C	27/00				119	D 21 H	11/00	492,493	D 06 P	5/00
	A 47 D	11/00	424	A 47 C	27/08						13/00	494-496	D 06 P	
3-7	A 47 B	85/00	425	A 47 C	21/08						15/00	497	D 06 P	7/00
	A 47 C	17/62		A 47 D	7/00						17/00	498,499	D 06 P	5/00
		19/22	426-430	A 47 C	21/08						19/00	500	D 06 P	7/00
		11/00	431	A 47 C	20/00						21/00	501-508	D 06 P	5/00
8,9	A 47 C	19/00	432	A 47 C	20/00						23/00	509	D 06 P	3/52
	A 47 D	7/00			20/02						25/00	510,511	D 06 P	3/70
10	A 47 C	17/38	433	A 47 C	20/04						27/00	512	D 06 P	3/52
		17/52	434-439	A 47 C	20/02				120	D 06 M	13/00	513,514	D 06 P	3/79
		17/84	440	A 47 C	20/00				121	D 06 M	11/11	515	D 06 P	3/24
		7/04	441-444	A 47 C	20/02						11/30	516	D 06 P	3/04
11	A 47 D	31/00	445	A 61 G	7/05						11/50	517	D 06 P	3/14
12-23	A 47 C	17/02			7/10						11/53			3/24
		17/04	446	A 47 C	20/02						11/54	518,519	D 06 P	3/60

CONCORDANCE 1990—United States to International Patent Classification

U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 8—Con.														
520	D 06 P	3/58	81-84	B 21 J	5/12	10.6-11.2	A 43 D	75/00			15/00	74	E 01 D	19/08
521	D 06 P	3/00	85.86	B 21 D	53/24	11.3-12.5	A 43 D	21/00			95/00	75-77	E 01 D	19/02
522,523	D 06 P	3/80		B 21 D	53/20	13.1	A 43 D	75/00	53.2-55.1	A 43 D	11/00			
524-526	C 09 B	67/02	87.88	B 23 G	53/24	13.2	A 43 D	43/00	57.57.1	A 43 D	85/00			
527,528	C 09 B	67/00	89	B 21 K	1/56	14.2-14.4	A 43 D	21/00	57.5,57.6	A 43 D	27/00			
529-534	D 06 P	3/82		B 23 G	1/00	14.5	A 43 D	23/00	58	A 43 D	8/34			
535	D 06 P	3/58	90	B 23 G	1/00	15	A 43 D	3/12			115/00			
536,537	D 06 P	3/60	91-93	B 23 G	1/08	15.1	A 43 D	3/10	58.3	A 43 D	1/00			
538	D 06 P	3/60		B 23 G	1/20	16	A 43 D	61/00			100/00			
		3/70	94-100	B 23 G	1/00	16.1	A 43 D	63/00	58.5-59.7	A 43 D	11/00	1	A 47 L	
539,540	D 06 P	3/00			5/12			89/00	61-63	A 43 D	8/00		E 01 H	
541-543	C 09 B	62/00	101-103	B 23 G	1/00	16.2	A 43 D	25/12	64-66	A 43 D	65/00	1.5	A 47 L	13/40
544	C 09 B	62/02	105	B 23 G	11/00	16.3-16.5	A 43 D	63/00	67-67.2	A 43 D	44/00	1.7	E 04 H	4/16
		62/54	106,107	B 23 G	1/00			89/00			47/00	3	A 47 L	3/00
546	C 09 B	62/00	110,111	B 23 G	5/00	16.6,16.7	A 43 D	27/06			57/00			11/00
547	C 09 B	62/02	113-120.5	B 23 G	1/26	17	A 43 D	25/00	70-79.5	A 43 D	95/00			23/00
		62/44			5/04			27/00	85	A 43 D	8/32		B 08 B	
		62/62	121	B 23 G	1/28			29/00			8/36		D 06 F	15/00
548	C 09 B	62/00			5/08			35/00			21/00			37/00
549	C 09 B	62/00	123	B 23 G	5/04			37/00			27/00			39/00
		62/04	128,129	B 23 G	1/00			43/00	85.1-95	A 43 D	93/00	3.1-3.21	A 01 K	43/00
		62/20	130,132	B 23 G	1/08			65/00			8/00		A 23 N	12/00
		62/343			1/20			67/00			21/00	3.5-3.52	B 08 B	9/00
550	C 09 B	67/00	133-139	B 23 G	1/00			69/00			27/00			9/20
	D 06 P		140	B 23 G	5/20			89/00			93/00	3.53	B 43 L	19/00
551-635	C 09 B	67/00	141,142	B 23 G	5/06			95/00	103-120.5	A 43 D	5/00	4-21	A 46 B	13/00
636-638	C 09 B				5/14	17.2	A 43 D	119/00			15/00		A 47 L	1

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 15—Con.					13/252	344	A 47 L	5/24			3/22	277-279	E 05 F	1/08			
		7/00	230-230.19	A 47 L	17/00	345,346	A 47 L	5/14		E 05 F	3/00	280-285	E 05 F	1/14			
		9/00		B 05 C	1/00	347-353	A 47 L	9/10		E 05 F	1/00	286-308	E 05 F	1/08			
	F 16 L	45/00			17/02	354-361	A 47 L	5/34		E 05 F	1/08	309-318	E 05 F	1/02			
104.061-104.063	B 08 B	55/00		B 44 D	5/00	362	A 47 L	5/00		E 05 F	1/00	319-336	E 05 D	11/10			
		1/00	231	A 47 L	13/46	363-382	A 47 L	5/00		E 05 F	5/04	337-342	E 05 C	17/64			
		7/00	232,233	A 47 L	1/06			9/04		E 05 F	3/00	343,344	E 05 D	11/08			
		9/04	234,235	A 47 L	13/38			9/06			5/10	345	E 05 D	15/30			
	F 16 L	45/00	235.3	E 04 G	21/20	383-392	A 47 L	5/10		E 05 F	5/06	346-353	E 05 D	11/10			
		55/00	235.4-235.8	B 05 C	17/10			86.1		E 05 D	13/00	354	E 05 D	7/00			
104.07-104.19	B 08 B	1/00		E 01 C	19/12	393-403	A 47 L	5/00			15/00	355,356	E 05 D	1/00			
		7/00	236.01-241	A 47 L	13/02			86.2		E 05 D	15/58	357-360	E 05 D	11/00			
		9/00			17/06	404,405	A 47 L	5/00		E 05 D	15/00	361	E 05 D	15/06			
	F 16 L	45/00			23/22	406-408	A 47 L	5/00		A 47 H	13/00	362,363	E 05 D	15/00			
		55/00		B 05 C	17/10			87.4,87.6			15/00	364	E 05 D	15/06			
104.2	F 16 L	45/00	242,243	F 23 J	3/00	409	A 47 L	5/16		E 05 D	15/06	365	E 05 D	7/00			
		55/00	244.1-244.3	A 47 K	7/02	410,411	A 47 L	9/00			15/16	366	E 05 D	3/06			
104.31	B 08 B	1/00		A 47 L	13/46	412	A 47 L	9/22		A 47 H	13/00	367	E 05 D	3/10			
		7/00		B 43 L	21/00			9/28			15/00	368,369	E 05 D	15/00			
		9/02	244.4	A 47 K	7/02			11/00		E 05 D	15/00	370	E 05 D	15/32			
104.32	F 16 L	45/00		A 47 L	13/16			13/00		A 47 H	15/00	371	E 05 D	11/06			
		55/00		B 43 L	21/00			47/04		E 05 D	15/00	372	E 05 D	5/00			
104.33	B 08 B	1/00	245	A 47 L	1/06			5/10		A 47 H	1/04	373	E 05 D	7/00			
		7/00	246	A 47 L	1/00	413	A 47 L	11/00			15/00	374-377	E 05 D	11/06			
		9/02		B 60 S	1/00			13/00		E 05 D	15/00	378,379	E 05 D	7/08			
104.5-104.54	A 45 D	24/44	246.5	F 22 B	37/48			47/04			15/06	380,381	E 05 D	5/12			
104.8	A 46 B	17/08	247	A 46 B	17/04	414-422	A 63 D	5/10			15/16	382-384	E 05 D	5/00			
	A 47 L	13/42		A 47 L	13/44	423	A 47 L	9/02			15/00	385	E 05 D	5/00			
104.9	B 08 B	9/08	248	A 46 B	17/00			5/00		E 05 D	15/06			9/00			
		9/20	249	F 23 J	3/00	424-426	B 43 L	19/00			15/16	386	E 05 D	5/10			
104.92-104.94	B 08 B	1/00	250-250.42	A 47 L	1/00	427-432	B 43 K	29/02			11/10	387,388	E 05 D	5/02			
105,105.5	A 47 L			B 60 S	1/02	433,434	B 43 L	19/00			57/00	389-392	E 05 D	5/06			
105.51	B 25 F	1/00	256.5-256.6	A 46 B	15/00	435	B 43 K	3/00			95/02						
105.52	B 25 F	1/00		B 21 B	45/02	436	B 43 K	3/04		A 47 J	45/00						
	B 43 L	19/00		B 60 S	1/28	437-444	B 43 K	3/00		B 65 D	25/28						
105.53	B 26 B	11/00	257	A 46 B	17/00	445,446	B 43 K	1/00		E 05 B	1/00	U.S. Class 17					
106-115	A 47 L	13/12		A 47 G	29/08	447	B 43 K	1/02			7/00	BUTCHERING					
		13/14		A 47 L	23/14						95/02						
		13/50			25/00					A 47 B	45/10	1		A 22 B			
		23/04			25/06					A 47 J	25/28			A 22 C			
	E 04 F	21/16		B 05 C	21/00	U.S. Class 16					E 05 B	1/00	11		A 22 B	3/08	
116.1	A 47 L	13/14	257.05,257.06	A 47 L	13/56	MISCELLANEOUS HARDWARE						7/00		A 22 C	21/00		
		13/58		B 43 L							95/02	11.1		A 22 C	21/02		
116.2	A 47 L	13/14	257.07	B 43 L	25/00					A 47 B	45/06	11.2		A 22 C	21/04		
		13/50	257.072	B 43 L	25/04	1	A 47 G	1/10		B 25 G	1/04	11.3,12		A 22 C	21/00		
		13/58	257.073-257.076	B 43 L	25/00		E 05 B	1/00		B 65 D	25/28	13-18		A 22 B	5/08		
117-121	A 47 L	13/12	257.1-257.9	A 47 L	13/52		E 05 D			E 05 B	5/00	19		A 22 B	5/08		
		13/14	258,259	A 47 L	23/28		E 05 F	1/00			95/02				5/10		
		13/50	260-263	A 47 L	13/14			7/00		A 47 J	45/08	20		A 22 B	5/08		
		23/04			13/58	2,3	B 65 D	55/00		B 25 G	1/00	21		A 22 B	5/16		
		21/16	264	A 47 J	47/18		F 16 L	5/00			1/12	23		A 22 B	5/20		
141.1,141.2	A 47 L	11/36		A 47 L	13/50	4-11	A 47 G	27/04		B 65 D	25/28	24		A 22 B	5/00		
		13/36			17/00	12-15	A 47 G	27/06		E 05 B	1/00				7/00		
142	A 47 L	23/24	265-267	A 47 L	23/16	16,17	A 47 G	27/04			7/00			A 22 C	17/00		
		25/00			23/18	18	B 60 B	33/00			95/02	25-31		A 22 C	9/00		
143-146	A 46 B	5/02	268	A 46 B	17/02	19	B 60 B	33/04		A 47 J	45/06	32		A 22 C	7/00		
	A 47 K			A 47 L	13/54	20-23	B 60 B	33/00		B 25 G	1/00	33,34		A 22 C	11/00		
	B 25 G				21/06	24-28	B 60 B	33/08		B 65 D	25/28	35		A 22 C	11/02		
147-154	A 47 L	13/20		B 08 B	9/20	29-31	B 60 B	33/00		E 05 B	1/00				11/06		
159-165	A 46 B				9/46	32-34	B 60 B	33/06			7/00	36		A 22 C	11/02		
167.1,167.2	A 46 B	9/04	300	A 47 L	5/00	35-39	B 60 B	33/00			13/00	193-219	E 05 D	11/04			
167.3	A 45 D	29/17			9/00	40	B 60 B	37/00		E 05 F	1/00				11/06		
	A 46 B			B 08 B	5/00	41	B 60 B	33/00			3/00	37		A 22 C	11/08		
168-207	A 46 B			D 06 G	1/00	42	A 47 B	91/06		220	E 06 B	3/58	38,39		A 22 C	11/04	
208-228	A 47 K	7/02	301-312	A 47 L	5/38	43-48	A 47 B	91/00		221	E 05 D					11/06	
	A 47 L	1/06			15/00		B 60 B	33/00		222,223	E 05 D	11/00	40		A 22 C	11/08	
		13/10	313-315	A 47 L	5/38	48.5	E 05 F	15/20		224	E 05 D	7/00	41,42		A 22 C	11/02	
		23/04			1/54	50	E 05 F	3/00		225-227	E 05 D	1/00	42.1		A 22 C	5/00	
		25/00		B 60 S	1/64		E 05 F	3/20		228	G 02 C	5/22				17/00	
229.1-229.4	B 43 L	21/00	316-318	A 47 L	5/38	51	E 05 F	3/04		229	E 05 D	7/10	43		A 22 C	17/14	
	A 47 K	7/02			15/00	52,53	E 05 F	3/10		230-232	E 05 D	15/50				17/16	
	A 47 L	1/06		F 23 J	3/02			3/22		233,234	E 05 D	7/00	44-44.3		A 22 B	1/00	
		13/20	319	A 47 L	5/00	54,55	E 05 F	3/20		235-238	E 05 D	7/04			A 22 C	15/00	
229.5	A 47 K	7/02	320-322	A 47 L	7/00			3/22		239-241	E 05 D	7/06	44.4		A 22 B	1/00	
	A 47 L	1/06	323-338	A 47 L	5/00	56	E 05 F	3/04		242-249	E 05 D	7/04			A 22 C	15/00	
		13/252	339	A 47 L	5/00			3/14		250,251	E 05 D	11/00			A 23 B	4/03	
		17/00			7/00	57,58	E 05 F	3/22		252,253	E 05 D	5/02				4/044	
229.6-229.8	A 47 K	7/02			9/00			3/14		254-258	E 05 D	7/10	45		A 22 B	3/00	
	A 47 L	1/06		B 08 B	5/00	59-62	E 05 F	3/22		259-267	E 05 D	7/10			A 22 C	11/00	
		13/20	340.1-340.4	A 47 L	5/00			3/04		268,269	E 05 D	1/06				25/00	
		17/00		E 01 H	1/08			3/14		270-272	E 05 D	7/12				29/00	
229.9	A 47 K	7/02	341-343	A 47 L	5/02	63-67	E 05 F	3/00		273	E 05 D	11/00	46		A 22 C	25/16	
	A 47 L	1/06			5/08	68	E 05 F	3/20		274	E 05 D	11/02	47		A 22 B	5/08	
										275,276	E 05 D	11/04			A 22 C	21/02	

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 17—Con.			200	D 01 B	3/00	U.S. Class 24			U.S. Class 24			U.S. Class 24		
48	A 22 C	29/00	201-205	D 01 B	3/00	BUCKLES, BUTTONS, CLASPS, ETC.			94-96	A 44 B	11/25	148,149	B 21 D	53/46
49	A 22 C	21/00	215	D 02 J	7/00	1	A 44 B	21/00			17/00		A 43 C	1/00
		25/00	216,217	D 01 G	19/00	2	B 42 D	3/10			1/04			7/00
		29/00	218	D 01 G	19/22	2.5	F 41 C	23/00			1/42		A 44 B	1/04
50	A 22 C	21/00	219	D 01 G	19/00	3.4	A 44 B	21/00	97-103	A 44 B	11/25	163	A 44 B	11/25
		25/02	220-224	D 01 G	19/04		A 45 F	5/02			17/00			1/04
51	A 22 C	21/04	225-228	D 01 G	19/16	5.6	A 45 F	5/08			11/25			11/00
		25/02	229,230	D 01 G	19/14	7-9	A 45 F	5/04			17/00			11/25
52	A 22 C	25/18	231,232	D 01 G	19/04	10-12	B 43 K	25/00	104	A 44 B	1/04	164-167	A 44 B	1/04
		25/20			19/18	13	A 44 B	21/00			1/28			11/00
53,54	A 22 B	3/08	233,234	D 01 G	19/04		A 45 F	5/02			11/25			11/25
	A 22 C	25/00	235	D 01 G	19/16	15	A 41 F	17/00	105	A 44 B	17/00			17/00
		29/00	236	D 01 H	5/00		A 44 B	21/00			1/04		B 68 B	5/00
55	A 22 C	25/00	237-241	D 01 H	5/32	16-19	B 65 D	63/00			1/30	168,169	A 44 B	1/04
56	A 22 C	25/16	242,243	D 01 H	5/00			67/02			11/25			11/06
57	A 22 C	25/16	244	D 01 H	5/86		F 16 L	33/00	106-110	A 44 B	17/00			11/25
		25/18	245	D 01 H	5/60	20	B 65 D	63/02			1/04			17/00
58-61	A 22 C	25/14			5/86		F 16 L	33/00			1/38		B 68 B	5/00
62	A 22 C	25/02	246-256	D 01 H	5/86	21-24	B 65 D	63/22			11/25	170	A 44 B	1/04
63	A 22 C	25/14	257	D 01 H	5/00		F 16 L	33/00	111,112	A 44 B	17/00			11/12
64	A 22 C	25/02	258-261	D 01 H	5/74	25	B 65 D	63/06			1/04			11/25
65	A 22 C	25/02	262-265	D 01 H	5/60		F 16 L	33/00			1/18			17/00
		25/14	266-268	D 01 H	5/46	26	B 65 D	63/06			11/25		B 68 B	5/00
66-70	A 22 C	25/00	269	D 01 H	5/48		F 16 L	33/00	113	A 44 B	17/00	171	A 44 B	1/04
71-76	A 22 C	29/00	270,271	D 01 H	5/46	27-30	B 65 D	63/10			1/04			11/10
			272	D 01 H	5/52		F 16 L	33/00			1/12			11/25
					5/54	30.5	B 65 D	77/10			1/14			17/00
U.S. Class 19			273,274	D 01 H	5/46	31.32	F 16 G	3/00	114	A 44 B	11/25	172-183	B 68 B	5/00
TEXTILES, FIBER PREPARATION			275,276	D 01 H	5/48			7/00			17/00		A 44 B	1/04
			277	D 01 H	5/50	33	F 16 G	3/02			1/04			11/00
0.2-0.22	D 01 G	31/00	278	D 01 H	5/46	34	F 16 G	3/10			1/16			11/25
0.23,0.24	D 01 G	23/00	279-282	D 01 H	5/50	35,36	F 16 G	3/00			11/25		B 68 B	5/00
		31/00	283	D 01 H	5/48			7/00	114.5,115	A 44 B	17/00	184,185	A 44 B	1/04
0.25,0.26	D 01 G	31/00	284,285	D 01 H	5/46	37	F 16 G	3/08			11/25			11/00
0.27	D 01 B	1/48	286-292	D 01 H	5/72	38,39	F 16 G	3/00			17/00			11/25
	D 01 G	37/00			5/74			7/00			11/00			17/00
	D 06 F	58/00	293	D 01 H	5/18	40	A 41 F	1/02	116	F 16 G	1/04	186-190	A 44 B	1/04
0.3-0.64	D 01 G	1/00	294,295	D 01 H	5/56		A 43 C	11/02		A 44 B	11/20			11/20
		37/00	296-308	D 01 G	25/00		A 44 B	1/18			17/00			11/25
					27/00		A 47 G	25/92		F 16 G	15/00			17/00
1	D 01 B	1/00	U.S. Class 23			41-48	A 41 B	7/04	117-122	A 44 B	1/04	191-193	A 44 B	1/04
2	D 01 B	3/00	CHEMISTRY, PHYSICAL PROCESSES				A 41 D	5/00			11/25			11/12
3	D 01 B	7/00				49	A 41 D	25/04		F 16 G	17/00			11/25
4	D 01 B	3/00				50-55	A 41 D	25/10	122.3,122.6	A 44 B	1/04	194-196	A 44 B	1/04
5,6	D 01 B	1/10				56-58	A 41 D	25/04			11/25			11/10
7	D 01 B	1/10				59-65	A 41 D	1/04			17/00			11/25
		3/04					A 44 B	11/25	127-134	A 44 B	1/04	197-200	A 44 B	1/04
8-32	D 01 B	1/10	293	B 01 J	7/00	67-67.7	A 44 B	17/00		F 16 G	11/00			11/00
33	D 01 B	1/28	294	B 01 D	7/02			17/00	135	A 44 B	1/04	230.5-232	A 43 C	11/08
34-38	D 01 B	1/10	295	C 13 K	1/10			11/25			11/25		A 44 B	1/04
39	D 01 B	1/04	296,297	B 01 D	9/00			17/00		F 16 G	11/06			13/00
		1/04	298	B 01 D	9/00			17/00		A 44 B	17/00			17/00
40-42	D 01 B	1/04	299	C 13 K	1/10	67.9	B 42 F	1/00			1/04	233-237	A 44 B	1/04
43-47	D 01 B	1/06	300	B 01 D	11/00		A 44 B	11/25			17/00			11/25
48	D 01 B	1/04	301	C 30 B	9/00			17/00		F 16 G	11/00			13/02
49-54	D 01 B	1/06	302	C 30 B	1/30	68-71.3	A 43 C	11/00	140	A 43 C	1/00	238	A 44 B	1/04
55-64	D 01 B	1/08		C 01 D	3/24		A 44 B	1/04			7/00			11/25
64.5	D 01 B	1/04			7/24			21/00		A 44 B	11/25			17/00
		1/32			7/40	72	A 41 F	17/00			17/00			1/04
65,66	D 01 B	3/04	303	C 01 D	1/30		A 44 B	1/04	141,142	A 43 C	5/00	239	A 44 B	1/04
66.1	D 01 G	37/00	304	C 01 F	5/34			11/25		A 44 B	1/04			11/25
	D 02 G	1/00	305	C 01 F	11/44	72.5	A 44 B	17/00			11/25			13/02
	D 04 G	1/06	306	C 22 B	7/34			1/04	143	A 43 C	17/00	240	A 44 B	1/04
66.2	D 02 G	1/14		B 01 D	13/00			11/25		A 44 B	9/00			11/25
80	D 01 B	1/00			1/00	72.7	A 47 C	21/02			1/04			13/00
	D 01 G	7/00			1/30		A 44 B	1/04			17/00			15/00
		9/00			11/04			11/25		B 21 D	53/58			17/00
81-97.5	D 01 B	1/00	307	C 10 G	21/00			17/00	144,145	A 43 C	1/00	241,242	A 44 B	1/04
98	D 01 G	15/00		B 01 D	1/02	89-91	B 44 D	3/18			7/00			11/25
99-104	D 01 G	15/02	308	C 01 D	1/22		A 44 B	1/04		A 44 B	1/04			13/00
105	D 01 G	15/40	309	C 05 B	3/20			1/18			11/25	265	A 44 B	1/04
106	D 01 G	15/46	313	C 22 B	19/00			11/25			17/00			11/25
107-111	D 01 G	15/76	314	C 22 B	1/14	92,93	A 44 B	17/00	146,147	A 43 C	3/00			17/00
107-111	D 01 G	15/12		C 09 C	31/14			1/04		A 44 B	1/04			5/18
112,113	D 01 G	15/84			1/58			1/12			11/25	266,267	A 41 F	1/00
114	D 01 G	15/84			1/60			1/14			17/00			
115-129	D 01 G	19/00												
144	D 01 G	13/00												
		25/00												
145-145.7	D 01 G	27/00												
148-153	D 01 G	13/00												
		25/00												
157-160	D 04 H	27/00												
161,1,163	D 04 H	11/00												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 24—Con.			322	A 44 B	1/00			11/25	453	A 41 F	1/00			17/00
		1/04			1/04			17/00		A 44 B	1/04	605	A 41 F	1/04
	A 44 B	11/25			11/00	380	A 44 B	1/04			11/25	606-629	A 41 F	1/00
		17/00			11/25			11/25	454	A 44 B	1/04		A 43 C	11/00
268	A 44 B	21/00	323,324	A 44 B	1/04			17/00			11/25		A 44 B	1/04
		1/04			11/25	381-383	A 44 B	1/04			17/00			17/00
		11/25			17/00			11/25			21/00	630	A 41 F	1/04
		17/00			1/04			17/00	455	A 41 F	1/00	631-658	A 41 F	1/00
	B 65 D	63/00	325	A 44 B	11/08			19/00			1/08		A 43 C	11/00
269	F 16 L	33/00			11/25	384	A 44 B	1/04		A 44 B	1/04		A 44 B	1/04
	A 44 B	1/04			17/00			11/25			11/25			11/25
		11/25	326-328	A 44 B	1/04			17/00			17/00			17/00
		17/00			11/25			19/32			21/00	659-661	A 41 F	1/02
	B 65 D	63/00			17/00	385-387	A 44 B	1/04		B 42 F	1/00	662-681	A 41 F	1/00
270-272	F 16 L	33/14			21/00			11/25	456-463	A 41 F	1/00		A 43 C	11/00
	A 44 B	1/04	329-341	A 44 B	1/04			17/00		A 44 B	1/04		A 44 B	1/04
		11/25			11/25			19/00			11/25			11/25
		17/00			17/00	388	A 44 B	1/04			17/00	682-696	A 44 B	1/18
273	A 44 B	1/04			21/00			11/25			21/00	697	A 41 F	1/00
		11/25			33/02			17/00		B 42 F	1/08			1/04
		17/00	342	F 16 L	1/00			19/38	464-480	A 41 F	1/08		A 43 C	11/00
	B 65 D	63/00		A 44 B	1/04	389	A 44 B	1/04		A 44 B	1/04		A 44 B	1/04
274-285	A 44 B	1/04			11/25			11/25			11/25			11/25
		11/25			17/00			17/00			17/00			17/00
		17/00			21/00			19/32	481-488	A 41 F	1/00	698,699	A 44 B	13/00
287	A 44 B	1/04	343-349	A 44 B	1/04	390	A 44 B	1/04		A 44 B	1/04	700-702	A 41 F	1/00
		11/25			11/25			11/25			11/25		A 43 C	11/00
		17/00			13/00			17/00			17/00		A 44 B	1/04
	B 65 D	63/00			17/00	391-398	A 44 B	1/04			21/00			11/25
288	A 44 B	1/04			21/00			11/25	489-529	B 42 F	1/00	703 1-703 6	F 16 B	15/00
		11/25	350	A 44 B	1/04			17/00		A 41 F	1/08			19/00
		17/00			11/25			19/12		A 44 B	1/04	704.1,704.2	F 16 B	21/00
289-297	A 44 B	8/00			17/00	399,400	A 44 B	1/04			11/25	705	A 44 C	7/00
		1/04			21/00			19/40			17/00	706,706 1	A 44 B	9/00
		11/25	351-355	A 44 B	1/04			11/25			21/00	706 2-707 6	A 44 B	9/10
		17/00			9/00			17/00			1/00	707.7-710 2	A 44 B	9/12
298-302	E 04 F	19/02			11/25			19/16	530-545	B 42 F	1/00	710 3	A 44 B	9/00
	A 44 B	1/04			21/00			19/40		A 41 F	1/08	710 4-711 4	A 44 B	9/02
		11/25			1/04	401,402	A 44 B	1/04		A 44 B	1/04	711.5	A 44 B	9/00
		15/00	356-358	A 44 B	1/04			11/25			11/25			9/20
		17/00			9/00			17/00			17/00	900	A 41 F	1/00
		21/00			11/25	403-414	A 44 B	1/04			21/00			1/08
303-305	A 44 B	1/04	359,360	A 44 B	1/04			19/40		B 42 F	1/00	901-903	A 44 B	9/00
		11/25			9/00			11/25	546-556	A 44 B	1/04			
306	A 44 B	1/04			11/25	415	A 44 B	1/04			11/25			
		17/00	361,362	A 44 B	1/04			11/25			17/00			
		18/00			9/00			17/00			19/02			
307-309	A 44 B	1/04			11/25	416	A 44 B	1/04			19/26			
		11/00			17/00			11/25			1/04			
		11/25	363-366	A 44 B	1/04			11/25			17/00			
310-313	A 44 B	17/00			9/00			17/00			19/28			
		1/04			11/25	417-425	A 44 B	1/04			1/04			
314	A 44 B	1/04	367	A 44 B	1/00			11/25			1/02			
		9/00			1/04			17/00	568-571	A 41 F	1/00			
		11/00			9/00			19/30			1/08			
		11/25			11/25	426-431	A 44 B	1/04			1/04			
315,316	A 44 B	17/00			17/00			11/25			11/25			
		1/04	368	A 44 B	1/04			17/00			17/00			
		11/00			9/00			19/26			21/00			
		11/25			11/25	432	A 44 B	1/04			1/00			
317	A 44 B	17/00	369,370	A 44 B	1/04			11/25	572-588	B 42 F	1/00			
		9/00			11/25			17/00		A 41 F	1/00			
		11/00			13/00	433,434	A 44 B	1/04		A 43 C	11/00			
		11/25			17/00			19/34		A 44 B	1/04			
318	A 44 B	17/00	371	A 44 B	1/04			17/00	589	A 41 F	1/04			
		1/04			11/25	435,436	A 44 B	1/04			1/04			
		11/00			13/02			19/38			11/25			
		11/25			17/00			11/25			17/00			
		13/00	372-377	A 44 B	1/04			17/00	590-597	A 41 F	1/00			
319	A 44 B	17/00			11/25			19/36		A 43 C	11/00			
		1/04			13/00	437-441	A 43 C	11/12		A 44 B	1/04			
		11/25			17/00			11/20			11/25			
		13/00	378	A 44 B	1/00			1/04			17/00	31-37	D 06 C	11/00
320,321	A 44 B	1/04			1/04			11/25	598-601	A 44 B	13/02	51	D 06 C	3/00
		11/00			11/25	442-452	A 44 B	1/04		F 16 B	45/00	51.3,51.4	D 06 C	3/00
		11/25			17/00			11/25		A 41 F	1/00		D 06 H	3/12
		13/00	379	A 44 B	1/00			17/00		A 43 C	11/00	51.5	D 06 C	3/00
		17/00			1/04			18/00		A 44 B	1/04	52.53	D 06 H	3/08
											11/25		D 06 C	3/00

U.S. Class 26

TEXTILES, CLOTH FINISHING

1,2	D 06 C	29/00
3-5	D 06 C	9/00
6	D 06 C	23/02
7	D 06 C	9/04
8-10	D 06 C	13/08
10.4	D 06 C	13/00
11-12	D 06 C	13/06
13	D 06 C	13/10
14	D 03 D	39/22
15	D 06 C	13/00
16,17	D 06 C	23/02
18	D 06 C	13/00
18.5	D 06 C	23/04
18.6	D 06 C	29/00
19-21	D 06 C	21/00
22,23	D 06 M	11/38
24	D 06 C	17/04
25	D 06 M	11/38
26	D 06 C	15/00
27-29	D 06 C	15/14
30	D 06 C	11/00
31-37	D 06 C	23/00
51	D 06 C	11/00
51.3,51.4	D 06 C	3/00
51.5	D 06 H	3/12
52.53	D 06 C	3/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 26—Con.					18/00			7/08						
69	D 06 C	3/00	106	D 06 C	23/00	146	D 04 D	5/00		D 06 B			C 08 G	63/02
		23/00		D 04 H	1/70	147	D 04 D	7/06		D 06 P			D 02 H	63/18
70-75	D 06 C	3/00			3/02			7/08	170	D 06 Q	73/10			3/00
76	D 06 C	3/02			5/08			7/10		C 08 G	7/00			5/00
77,78	D 06 C	3/06			13/00	148	D 04 D	9/04	171	D 06 H	75/00			7/00
79	D 06 C	3/02	107-111	D 06 C	23/00	149	D 03 D	29/00		C 08 G	19/00	191	B 65 H	13/00
80	D 06 C	3/00		B 32 B	5/06		D 04 B	5/00	172	D 04 B	75/00		C 08 G	54/12
81	D 06 C	3/00		D 04 H	1/46		D 04 C	7/00		B 65 H				63/02
	F 26 B	13/02			3/10		D 04 D	7/00		C 08 G				63/68
82	B 26 D	7/14			5/02			7/02		D 02 H			D 02 H	13/34
	D 06 C	3/00			11/08			7/04		D 03 J		192	B 65 H	54/12
83-85	D 06 C	3/00			13/00	150	D 04 D	7/00		D 06 B			D 02 H	13/30
86	D 06 C	3/02			18/00			7/02		D 06 C		193	B 65 H	67/00
87,88	D 06 C	3/00	112	D 04 H	1/46			7/04	173	F 26 B	75/00	194	D 02 H	1/00
89-91	D 06 C	3/02			3/10	151,152	D 03 D	29/00		C 08 G	11/00		B 65 H	59/00
		3/10			5/02	153	D 04 B	1/24		D 02 H	9/00			77/00
92	D 06 C	3/02			11/08			7/34		D 06 C	13/00	195	D 02 H	13/22
	F 26 B	13/02			13/00			9/46	174	C 08 G	75/00		B 65 H	54/28
93-96	D 06 C	3/02	113-115	D 04 H	18/00			9/58		D 06 C	9/00	196	D 02 H	13/00
97	D 06 C	3/06			1/08			11/26			9/04		B 65 H	54/46
98	D 06 C	3/00	116	D 04 H	1/44			21/20		B 65 H	54/66	197	D 02 H	13/00
99-105	D 06 C	3/06			1/44			23/24	175	C 08 G	75/00		D 02 H	9/00
106	D 06 C	3/00			3/10			25/14		D 04 B	31/00	198	D 02 H	9/00
	F 26 B	13/02			5/02			31/02		B 65 B	11/00			9/02
					11/04		D 06 B	3/20	176	B 65 H	37/00		D 03 J	1/13
					13/00			5/24		B 65 H	37/00	199	B 65 H	57/16
					17/00		D 06 C	13/12		C 08 G	63/18		D 02 H	9/00
					17/10		D 06 G		177	C 08 G	63/46			13/16
			117	D 04 H	1/16		D 06 H	3/16		E 08 G	63/91	200	B 65 H	79/00
					1/22		D 06 J			D 04 B	31/00		D 02 H	13/12
					1/24	154	D 04 B	1/26	178	B 65 H	71/00	201	D 06 B	3/34
1-20	A 61 G	17/00			1/44			9/46		C 08 G	63/46		B 65 H	67/00
21.1-25.1	A 01 H	1/00	118-120	A 61 F	13/20			11/28		D 02 H	5/02		D 03 J	1/14
26	A 61 G	19/00		D 04 H	1/22			23/20		F 26 B	13/00	202,203	B 65 H	67/08
27	A 61 G	17/00	121	B 65 D	75/00		D 06 B	3/30		C 08 G	63/78		D 03 J	1/14
28	A 61 G	1/00	122	D 04 H	1/08			5/24	179,180	C 08 G	63/82		B 65 H	67/00
		3/00			1/44		D 06 C	13/12			63/87			1/18
		7/10			3/10		D 06 H	3/16		D 02 H	5/02	204-207	D 03 J	1/14
29,30	E 02 D	19/00			5/02	155	D 03 D	7/00		D 06 B	15/00	208	B 65 H	1/00
31	A 61 G	17/04			11/04			15/08		F 26 B	13/00			75/38
	A 62 B	33/00			13/00			17/00		C 08 G	63/78		D 02 H	13/38
32-34	A 61 G	19/00			17/00		D 04 B	1/18	181		63/82		D 03 J	1/18
35	A 61 G	17/00	123,124	A 42 C	1/02			7/16		D 02 H	5/02	209,210	B 65 H	69/00
				D 04 H	1/22			11/12			63/87		D 03 J	1/18
					17/00			21/18		D 02 H	9/00	211	B 65 H	69/04
			125-133	D 04 H	1/22		D 06 C	21/00		D 06 B	15/00		D 03 J	1/18
					17/00			23/04		F 26 B	13/00	212	B 65 H	57/16
			134-137	D 04 H	17/12		D 06 H	7/10		C 08 G	63/78		D 02 H	13/16
			138,139	D 04 H	17/00		D 03 D	15/04	182		63/82	213	B 65 H	57/16
100	A 42 C		140	D 01 D		156	D 06 C	21/00		D 02 H	5/02		D 02 H	13/20
	A 44 B		141	D 04 B	17/00			7/16		D 06 B	3/10		D 03 D	39/04
	A 61 F			D 06 H	3/00	157	D 06 H	3/12			3/32	214	B 05 C	39/06
	B 05 C				5/00			7/10		C 08 G	69/02	215,216	B 65 H	
	B 32 B		142	D 03 D	3/04	158	D 03 D	1/00		D 02 H	5/02	217	D 02 H	
	B 41 F			D 04 B	7/32			11/00	183	D 06 B	3/10		D 01 D	
	B 65 B				9/00			27/10		D 02 H	3/32		D 02 G	
	B 65 D			D 06 C	5/00	159	D 06 C	39/16		D 06 B	15/02		D 02 G	
	B 65 H			D 06 G	3/00			11/00			69/02		D 02 H	
	F 26 B				5/00			13/00		C 08 G	69/02		D 02 J	
101	A 42 C			D 06 H	3/16		D 06 C	23/02	184	D 02 H	3/00		D 06 B	
	A 61 F				5/00	160		23/02			5/00		D 06 C	
	B 05 C		143	D 03 D	1/00	161	A 44 B	21/00			7/00		D 06 L	
	B 65 D				41/00		D 06 C	13/08		D 03 D	15/00		D 06 M	
	B 65 H			D 04 B	1/24	162	D 06 C	23/02	185	B 65 H	59/00	218	D 06 P	
	D 04 H	3/04			7/34	163	B 41 F				61/00		D 06 Q	
		3/05			9/46		D 06 B	1/00		C 08 G	63/00	219	D 02 G	1/00
		3/07			9/58		D 06 C	23/00		D 02 H	69/02		D 04 B	19/00
102	F 26 B	3/04			11/26		D 06 J			D 02 H	13/02		D 02 G	3/00
103	D 04 H	1/06			21/20			3/86			13/14		D 02 J	1/00
		1/50			23/24			5/12		F 26 B	13/12			3/00
		3/08			25/14			5/22	186	B 65 H	63/00			7/00
		5/02		D 04 D	31/02	164	D 05 C	7/10		C 08 G	69/02	220	D 02 G	11/00
		11/08		D 04 G			D 06 Q	1/02		D 02 H	13/02		D 02 J	1/20
		13/00		D 06 B	3/30	165	D 06 M			F 26 B	13/12		D 02 G	11/00
		17/00			5/24	166	B 65 H	71/00	187	B 65 H	63/00	221	D 02 G	1/12
		18/00		D 06 C	13/12		D 06 M			C 08 G	69/02	222	D 02 J	11/00
104,105	D 04 H	1/46		D 06 G		167	C 08 G	79/02		D 02 H	13/08	223	B 65 H	63/06
		1/70		D 06 H	3/16		D 06 M			F 26 B	13/12		D 02 J	3/12
		3/02		D 06 J			F 26 B	13/00	188,189	B 65 H	63/00			3/14
		3/10					C 08 G	79/02		C 08 G	69/02			3/16
		5/02	144	D 02 G	3/40	168	D 06 H	7/22		D 02 H	13/06			7/00
		5/08		D 03 D	41/00		D 06 Q	1/02		F 26 B	13/12	224	D 02 J	3/14
		11/08		D 04 D	3/00			79/02	190	B 65 H	54/00	225	B 65 H	63/06
		13/00	145	D 04 D	5/00	169	C 08 G							

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 28—Con.						10	B 23 P	5/00	118,119	B 60 B	7/00	169 5	B 29 D	17/00	464-468	B 23 Q	3/00						
226	B 65 H	63/06	11	B 21 D	53/40	120	B 21 B	31/08	172	B 23 P	13/00	469	B 23 P	21/00									
	D 02 J	3/12	12	B 21 K	13/02		B 60 B	7/00	173	B 21 F	35/00	469 5	B 21 D	35/00									
		3/16	13	B 23 P	13/00	121 1-121 8	A 01 B	29/00		B 23 P	13/00	505,506	B 21 D	39/00									
227-229	B 65 H	63/06		B 21 F	45/22		A 01 G	1/12	175 1	B 23 P	13/00		B 23 P	11/00									
230-239	D 02 J	3/14	14		45/24		B 02 C	4/00	177-179	G 04 D	3/00	507,508	B 21 D	39/00									
240-242	D 02 J	1/22		B 21 H	7/06		B 21 B	1/40	213.1-221 6	B 23 P	19/04	509-521	B 23 P	11/02									
243	D 02 J	1/06	15,16	B 21 K	19/02		B 21 H	3/18	222-224	B 23 P	15/10		B 23 P	39/00									
244-246	D 02 J	1/22	17-20	B 23 P	13/00		B 22 F	7/00	225-232	B 23 P	19/04		B 23 P	11/00									
247-251	D 02 G	1/00	201	B 21 D	33/00			7/00	233	B 23 P	15/18	522 1-524 1	B 21 D	39/00									
	D 02 J	1/00	21-22	B 26 D	3/10			3/00	234	B 23 P	19/04	525	B 23 P	19/02									
252,253	D 02 G	3/24	23	B 23 P	17/00		C 14 B	1/30	235-236	B 23 P	19/02	525.1,525.2	B 23 P	11/02									
	D 02 J	1/06	23 5	B 23 P	13/00	122	E 01 C	19/23	237-241	B 23 P	19/04	526 2-530	B 21 B	1/46									
254-257	D 02 G	1/12		B 21 H	7/16		B 21 B	1/08	242	B 21 K	5/00			13/22									
		1/16		B 23 P	15/02			27/02	243	B 23 P	19/04			11/126									
258	D 02 G	1/20	24		15/04			31/08	243 5-243 58	B 23 P	11/00			11/128									
259-261	D 02 G	1/10	24 5	B 23 P	17/00	123		31/08	244-250	B 23 P	19/04			17/00									
262	D 02 G	1/12	25	B 23 P	19/04		B 60 B	7/04	251	B 23 P	19/02			25/00									
	D 02 J	1/04	25	B 21 F	41/00			7/06	252-269	B 23 P	19/04	557,558	B 23 P	13/04									
263-270	D 02 G	1/08	25 35	H 04 R	17/00	124		31/08	270	B 25 B	27/00	559	B 23 Q	7/00									
271-276	D 02 G	1/12	25 41,25 42	H 01 G	7/00		B 60 B	7/04	271-281 6	B 25 B	27/14	560,560 1	B 23 P	23/00									
	D 02 G	1/16	26	B 23 B	39/00	125		11/04	282	B 21 D	39/04	561,562	B 23 Q	5/00									
	D 02 J	1/08	27	B 23 B	7/00			27/03		B 23 P	19/04			15/00									
277	D 02 G	1/00			9/00			27/05	283,283 5	B 23 Q	1/00			17/00									
	D 02 J	3/10		B 23 B	25/00			31/08			3/00	563	B 23 Q	7/00									
278-280	D 02 G	1/14	29	B 23 B	5/28		B 60 B	7/04			7/04			17/00									
281	D 02 G	1/18	30	B 23 B	1/00	126-128		11/04	400 1	B 23 P	17/00			41/02									
		1/20	33	B 21 B	15/00		B 21 B	31/08	401 1	B 21 K	21/16			41/00									
	D 02 J	3/24		B 21 D	39/03		B 60 B	7/04		B 23 P	17/04	564-564 8	B 23 P	23/00									
		1/12		B 23 P	23/04			9/00	402 01	B 23 P	6/00			41/00									
282,283	D 01 D	11/02	33 2	A 41 H	37/06	129		15/00		B 23 P	6/00	565	B 23 Q	41/00									
	D 02 J	1/18		B 29 D	5/00		B 21 B	31/08	402 02	B 29 C	73/00	566-566 4	B 23 P	23/00									
284-286	B 65 C		33 5,33 52	B 23 P	23/04	129.5		7/06		B 23 P	6/00	568	B 23 Q	41/00									
	D 01 D	10/00	34	B 23 B	11/00		B 21 B	31/08	402 03	B 23 P	23/00	569 1	H 01 L	21/00									
	D 06 L		35 5,36	B 23 B	3/16	130,131		7/02			6/00	570 1	H 01 G	9/00									
	D 06 M				7/04		B 21 B	31/08		B 23 P	19/04	592 1	H 01 S	4/00									
287,288	D 06 P		37-38 9	B 23 P	23/00	132	B 60 B	7/04	402 04-402 09	B 23 P	23/00	593	G 01 R										
	B 05 C		39-49	B 23 B	3/16		B 21 B	31/08			6/00		G 05 F										
	D 01 D	10/04			7/04			5/00	402 11-402 17	B 23 P	19/04		H 01 H										
	D 06 L			B 23 B	29/24	148 3		21/00	402 18	B 23 D	6/00	594	H 04 R	31/00									
	D 06 M		51	B 23 D	1/00		B 21 K	7/00		B 22 D	19/10	595	G 01 R	3/00									
	D 06 P		52	B 23 C	1/00	148 4		19/00		B 23 K	9/04	596	H 02 K	15/00									
289	B 65 H	54/64	53	B 23 B	11/00		B 21 D	53/12	402 19,402 21	B 23 P	6/00			15/14									
		54/68			35/00		B 21 H	1/12		B 21 D	1/00			15/16									
		54/70			1/00			1/14			3/16	597	H 01 R	43/06									
		54/76	54-56 6	B 23 C	1/00		B 21 K	1/02		B 23 P	6/00			43/10									
		71/00	57	B 23 B	25/00			1/04	403 1	B 07 B	13/00	598	H 02 K	15/02									
290	B 65 H	54/00		B 23 Q	39/00			1/05		B 23 P	17/04			15/10									
		71/00	64	B 23 P	23/00	149 5	B 21 D	53/10	403 2	B 30 B	9/32	599	H 01 L	39/24									
291	B 65 H	54/62	65	B 23 P	23/00	150	B 23 P	13/00	403 3,403 4	B 23 P	19/04	600	H 01 P	11/00									
		71/00		B 23 Q	5/00	155	B 23 P	17/00		H 01 B	15/00			13/00									
292-298	B 65 H	73/00	76 1-76 4	B 23 D	67/00		B 23 P	15/00		H 02 G	1/12	601	H 01 Q	17/00									
299	D 06 M				69/00		B 23 P	15/10	404-407	B 23 Q	17/00	602 1	H 01 F	7/06									
			77	B 23 D	73/02	156 6-156 63		15/06	408	B 21 D	53/50	603	G 11 B	5/127									
			78,79	B 23 D	71/00	156 7		1/20		B 21 F	45/18		H 01 F	7/06									
			80	B 23 D	71/04		B 23 P	13/00		B 29 D	5/00	604	H 01 F	3/00									
			81	B 21 C	43/00	156 8		3/04		B 21 D	53/54			41/02									
				B 23 D	79/12		B 23 P	15/02		B 21 F	45/18	605-607	H 01 F	7/06									
				B 23 P	25/00			15/04		B 29 D	5/00	608	H 01 F	3/08									
			89 5	B 23 P	9/00	157-158		53/00	410	B 21 D	53/52			7/06									
1.01	B 21 D	53/00																					

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass		
U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 29—Con.						164.5-164.8	B 02 C	18/00	373	B 23 D	47/02	494	B 27 L	9/00			
	B 23 P	19/04	34.2	B 26 B	19/42		F 25 C	5/16			51/02	495	B 27 F	1/10			
726-727	B 23 P	15/26	35-39	B 26 B	19/38	164.9	B 26 B	3/00			51/04	500	B 23 B	51/00			
728	B 23 P	19/04	40	B 26 B	21/24		B 41 C	1/04			59/00		B 25 B	21/00			
729	B 23 P	19/00	40.1	B 26 B	21/26			1/055		B 27 B	9/04	501-504	B 27 B	21/00			
	H 01 R		40.2	B 26 B	21/24	164.95	B 26 B	3/00			19/14	505	B 27 B	21/08			
730,731	B 23 P	19/00	41-41.6	B 26 B	19/44	165	B 26 B		374	B 23 D	47/02	506	B 27 B	21/02			
	H 01 M		41.9	B 26 B	19/08	166	B 23 D	45/00			51/02	507-509	B 27 B	21/00			
732	B 23 P	19/00	42	B 26 B	19/28		B 27 B	5/29			59/00	510	B 23 D	51/03			
	H 02 K	15/00	43	B 26 B	19/20			19/09		B 27 B	9/04		B 27 B	21/00			
733-736	B 23 P	19/00	43.1-43.3	B 26 B	19/00			23/00			19/14	511	B 27 B	21/00			
737	B 23 P	19/00	43.4-43.6	B 26 B	19/14			33/20			21/08	512	B 23 D	51/03			
	H 01 M		43.7-43.9	B 26 B	19/12	167-167.2	B 25 D	3/00	375-377	B 23 D	47/02		B 27 B	21/00			
738-746	B 23 P	19/00	43.91,43.92	B 26 B	19/02	168-172	B 26 B	3/00			51/02	513	B 27 B	21/06			
747	B 23 P	19/00	44.45	B 26 B	19/28	173,174	B 26 B	13/00			59/00	514-516	B 27 B	21/00			
748-750	B 23 P	19/00	46	B 26 B	19/30			15/00			9/02	517	B 23 D	51/01			
	H 01 R	43/20	47-50	B 26 B	21/00			17/00			19/14		B 27 B	21/00			
751	B 23 P	19/00	51	B 26 B	21/08	175-193	B 26 B	17/00			21/08	518	B 23 D	49/11			
	H 01 R	43/00	52-55	B 26 B	21/00	194	B 26 B	13/00	378	B 23 D	47/04	519-525	B 27 B	21/00			
752	B 23 P	19/00	57-89	B 26 B	21/14			19/00			51/04						
	H 01 R	43/042	90	B 26 B	21/40	195	B 26 B	19/22			21/00						
753	B 23 P	19/00	50.1-91.2	B 21 F	13/00	196-204	B 26 B	19/00			25/10						
	H 01 R	43/00		B 26 B	27/00	205-207	B 26 B	19/14	379,379.5	B 23 D	45/20						
754,755	B 23 P	19/00	92-108	B 23 D	21/06	208-222	B 26 B	19/02			45/22						
	H 01 R	43/042		B 26 B	27/00			19/12			45/24						
	B 23 P	19/00		B 26 D	3/16	223-225	B 26 B	19/00			9/00						
	H 01 R	43/00	109-113	A 24 C	1/24	226,227	B 26 B	13/00			19/14						
756-764	B 23 P	19/00			5/12	228	B 26 B	15/00	380	B 23 D	53/00	1	B 43 L	5/00			
765	B 23 P	19/04			5/28	229-263	B 26 B	13/00			55/00						
766	A 41 H	37/06	113.1-113.3	A 47 J	23/00	264	B 26 B	15/00			13/00		B 27 B	3/14			
	B 21 D	53/50			25/00	265	B 26 B	13/00			15/00			5/24			
	B 29 D	5/00	114	A 21 C	5/08	266	B 26 B	13/28	381	B 23 D	57/02		G 01 C	21/20			
767-770	A 41 H	37/06			15/04	267-271	B 26 B	13/00			57/02		G 01 V	1/30			
771-790	B 23 P	21/00	115-117	A 21 C	5/00	272-277	B 26 B	7/00	382	B 27 B	17/00		G 06 G				
791-808	B 23 P	19/00	118	A 41 H	25/00	278-283	B 26 B	3/00			57/02	2	G 09 B	29/10			
809-818	B 23 Q	7/10		B 26 B	1/00	284-288	B 26 B	29/00			17/00		A 41 H	1/00			
819-824	B 23 P	19/00			13/00	289	B 26 B	29/00	383	B 23 D	57/02	3,4	A 42 C	3/06			
825	H 01 R	43/00	119	A 41 H	25/00			29/06			59/00	5	A 43 D	1/00			
826	H 01 R	43/12		B 26 B	1/00	290-295	B 26 B	29/00			17/02	6	A 43 D	8/28			
827	H 01 R	43/00	120	A 41 H	25/00	296-298	B 26 B	27/00	384,385	B 23 D	57/02	7	A 43 D	1/00			
828	H 01 B	13/20		B 26 B	13/06	299-308	B 26 B	3/00			59/00		A 41 H	1/00			
829	H 05 K	3/00	120.1	A 23 M	5/00	308 1-308 3	B 26 B	23/00			17/00	8	A 41 H	23/00			
830	H 05 K	3/36		A 47 J	43/26	309-319	B 26 B	3/00	386	B 27 B	17/04	9	A 41 H	1/04			
831	H 05 K	3/20		B 26 B	17/00	320,321	B 26 B	1/00			57/02		A 41 H	23/00			
832-838	H 05 K	3/30	120.2,120.3	A 47 J	43/26	322-328	A 47 J	43/28			59/00	10	A 41 H	1/00			
839,840	H 05 K	3/34		B 26 B	17/00	329-339	B 26 B	1/00	387	B 23 D	57/02		A 41 H	21/00			
841	H 05 K	3/30	120.4	A 47 J	43/26	340,341	B 25 G	1/00			17/02	11	A 41 H	1/00			
842-845	H 01 R	9/00		B 26 B	17/02			1/12			45/16		A 42 C	3/06			
	H 05 K	3/00	120.5	A 47 J	43/26			3/00	388	B 23 D	45/16	12-14	A 41 H	3/00			
846	H 05 K	3/02		B 26 B	17/00	342-345	B 25 G	3/00	389	B 23 D	47/12	15	A 41 H	1/02			
		3/10	121	A 01 G	3/03	346	B 26 B	9/00			9/00		A 41 H	1/10			
847	H 05 K	3/02		B 26 B	23/00	346 5	B 26 B	21/54			45/16	16	A 41 H	3/04			
848	H 01 K	3/22	121.5	A 47 J	17/02	346 51	B 26 B	19/04	390,391	B 23 D	47/00		A 42 C	1/00			
849	H 01 K	3/00	122	B 25 F	3/00	346 52-346 61	B 26 B	21/54			9/00		A 42 C	3/06			
850	H 01 K	3/10		B 26 B	11/00	347-352	B 26 B	9/00			9/04	17	A 41 H	3/00			
851	H 01 K	3/22	123,123.3	B 25 F	3/00	353	B 26 B	9/00			49/04		A 42 C	1/00			
852,853	H 01 K	3/10		B 26 B	1/00			19/04	392,393	B 23 D	49/06		A 43 L	13/00			
854-856	H 01 R	43/00			3/00	355-357	B 26 B	9/02			49/10	18.1,18.2	B 43 L	13/14			
	H 05 K	13/00			11/00	358-368	B 26 F	1/00			49/12	18.3	B 43 L	13/24			
857-859	H 01 R	43/00	123.4	B 23 D	59/04	369	B 23 D	49/10			49/14	19.1-19.3	B 43 L	13/16			
860	H 01 R	43/02		B 23 Q	11/12			49/12			49/16	20.1,20.2	B 43 L	13/14			
861-867	H 01 R	43/04		B 26 B	7/00			49/14			3/12	20.3	B 43 L	13/18			
868-870	H 01 R	43/00	123.5-123.7	A 22 B	5/16			49/16			3/26	21.1-21.4	B 43 L	9/00			
871	H 01 R	43/04		B 26 B	11/00			3/28			19/00	22	B 43 L	9/00			
872,873	H 01 R	43/00	124-136.5	B 25 F	3/00			5/29	394	B 23 D	49/04						
874,875	H 01 R	43/16		B 26 B	1/00			9/00			49/06	23.01-23.05	B 43 L	13/10			
876	H 01 R	43/20			3/00			19/09			49/10	23.06	B 43 L	13/12			
877-880	H 01 R	43/02			11/00			33/20			49/12	23.07-25.5	B 43 L	13/10			
881,882	H 01 R	43/04	137	A 47 J	43/28	370	B 23 D	47/02			49/14	26,27.01	B 43 L	9/00			
883-885	H 01 R	43/00		B 25 F	3/00			51/02			49/16						
				B 26 B	1/00			51/04			49/10	27.02	B 43 L	9/02			
					3/00			59/00			19/04	27.03-27.033	B 43 L	9/04			
					11/00		B 27 B	3/28			7/46	27.04-27.07	B 43 L	9/00			
U.S. Class 30									400-450	B 67 B	23/00	27.08	B 43 L	11/02			
CUTLERY									451-454	B 43 L	23/06	27.09	B 43 L	11/06			
	B 26 B	19/00			1/00			51/02	455,456	B 43 L	23/00	27.1	B 43 L	9/00			
1	B 26 B				11/00			51/04	457-461	B 43 L	23/06	27.11	B 43 L	11/00			
1.5,2	B 67 B	7/00	141	A 47 J	43/28			59/00	462	B 43 L	23/06	27.12	B 23 Q	35/00			
26-29	A 45 D	29/00	142-146	B 25 F	3/00			51/04	475-477	B 27 C	1/10		B 43 L	13/10			
29.5	B 26 B	19/00		B 26 B	1/00			21/08	478-480	B 27 G	17/02		B 43 L	9/00			
30,31	B 26 B	19/00			3/00	372	B 23 B	27/08	481	B 27 G	23/00	28.29	B 43 L	11/00			
		21/12			11/00			47/02	482,483	B 27 G	17/02						
32	B 26 B	21/00	147-150	A 47 J	43/28			51/02	484-486	B 27 F	1/00	30.1	B 43 L	11/04			
34	B 26 B	19/38	151-164	B 26 B	3/06			51/04	487-490	B 27 G	17/02						
34.1	B 26 B	19/06		F 41 B	13/02			59/00	491	B 25 G	3/00						
		19/10		F 41 C	27/18			19/14	492,493	B 27 G	17/02						
							B 27 B										

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 33—Con.			245-250	F 41 G	1/38	340-343	G 01 B	21/00			13/00	567	B 25 H	7/00
			251	F 41 G	1/02	344-346	G 01 C	9/00	471-473	B 43 L	7/10		G 01 B	3/30
302-31	B 43 L	11/04			1/08			17/00			13/00	567.1	B 25 H	7/02
321-33	B 43 L	13/00			11/00	347	G 01 C	9/02	474	B 43 L	7/00		G 01 B	3/30
34-39.2	B 41 G	3/00	252-260	F 41 G	1/02			9/28			7/027	568-570	B 23 Q	16/00
	B 43 K	27/08			1/06			17/18			13/00	571	G 01 B	3/00
	B 43 L	13/00			1/16	348,348.2	G 01 C	9/32	475-481	B 43 L	7/00			5/00
40	B 43 L	13/24			1/44			17/20			13/00	572,573	G 01 B	
41.1-43	B 43 L	13/02			11/00	349	G 01 C	9/00	482	B 43 L	7/00	574-579	B 25 D	5/00
44	B 43 K	27/00	261	F 41 G	1/00			17/14			7/033	600-613	G 01 D	21/00
45	B 41 G	3/00			11/00	350	G 01 C	9/08			13/00	614-622	B 41 B	11/00
	B 43 K	27/08	262	G 01 C	1/08			17/18	483	B 43 L	7/00	623	G 01 D	21/00
121,122	G 01 B	5/26			3/00	351	G 01 C	9/00			12/00	624,625	G 01 C	7/02
		11/28			5/00	352	G 01 C	17/00			3/04	626-642	B 23 B	49/00
		13/20			9/00	353	G 01 C	9/00			3/10		B 23 Q	17/22
		21/28			15/00	354	G 01 C	9/00	484-494	B 43 L	7/00		B 27 G	23/00
123	G 01 B	7/32			21/00			17/00			3/04		G 01 D	21/00
124	G 01 B	5/26	263,264	G 01 C		355	G 01 C	17/02			3/10	643-649	G 01 D	21/00
		11/28	265	F 41 G	1/00	356-359	G 01 C	17/38	495-500	B 43 L	7/10	650	A 43 D	8/26
		13/20	266	G 01 B	13/02	360	G 01 C	17/26			3/00	651	G 01 D	21/00
		21/28			3/00	361,362	G 01 C	17/28	501	G 01 B	61/00	651.1	E 01 B	29/04
175,176	G 01 B	5/20	267	G 01 C	1/00	363	G 01 C	17/26	501.01	B 65 H	1/00	652-658	G 01 D	21/00
177	B 43 L	13/20			1/02	364	G 01 C	17/08			3/00	659	G 04 D	7/00
	G 01 B	3/14			3/02	365	G 01 C	9/10			3/20	660,661	G 01 D	21/00
178	E 21 B	47/08	268	G 01 C	17/34	366	G 01 C	9/06	501 02-501 04	G 01 B	3/00	662	A 41 H	25/00
	G 01 B	3/34	269-271	G 01 C	17/34	367	G 01 C	5/04	501 05-501 6	G 01 B	3/20	663-665	B 43 L	9/08
		3/38			21/02			9/22			3/30			9/12
		3/46			49/00	368-376	G 01 C	9/00			3/38	666-679	B 25 H	7/00
		5/08	272,273	G 01 C	1/00	377,378	G 01 C	9/20	502	G 01 B	1/00	679.1	E 01 B	3/00
		7/12			3/00	379	G 01 C	9/24			5/03			3/34
		11/08			17/00	380	G 01 C	9/30	503	G 01 B		700-712	A 45 B	3/08
		13/08	274	G 01 C	21/22	381-383	G 01 C	9/24	504,505	G 01 B	1/00		B 01 D	
		21/10	275	G 01 C	1/04	384-388	G 01 C	9/28	506-511	G 01 B	1/00		B 26 D	7/28
179	G 01 B	3/10			3/00	389	G 01 C	9/24	512	A 61 B	5/103		G 01 B	
179.5	G 01 B	3/14			5/00	390	G 01 C	9/36			5/117	713-721	E 21 B	47/04
		3/22			23/00	391	G 01 C	9/12			1/00		G 01 B	3/02
		5/20	276-280	G 01 C	3/00	392-394	G 01 C	15/10	513,514	A 61 C	19/04			5/18
		7/28	281-285	G 01 C	1/00	395	G 01 C	9/16			1/00	722-731	G 01 B	3/00
		9/08			1/02	396	G 01 C	9/12	515	A 61 B	5/103		G 01 F	23/04
		11/24			15/10	397	G 01 C	9/14			5/117	732,733	B 65 H	61/00
		13/16	286	G 01 C	15/00	398-400	G 01 C	9/12			1/00	734-749	G 01 B	3/12
		15/04	287	E 01 B	29/04	401	G 01 C	9/04	516-519	G 01 B	1/00			5/04
		21/20	288	G 01 B	5/24	402	G 01 C	9/12	520	G 01 D	21/00	750-754	G 01 B	5/04
183	G 01 B	3/14			5/25	403	B 43 L	7/00	521,522	E 01 C	23/01	755-771	G 01 B	3/10
194	E 04 F	21/00			5/255	404-410	B 43 L	13/00			1/00	772-782	G 01 B	3/12
	E 06 B	3/00	289	G 01 C	15/00		G 01 C	15/10	523	G 01 B	5/28			7/04
195	A 01 L	11/00	290-292	G 01 C	5/00	411	B 43 L	7/00	523.1,523.2	B 61 K	9/08	783,784	G 01 B	5/00
196	B 24 B	53/00	293	G 01 C	15/02	412	G 01 B	5/24		E 01 B	29/04	785,786	G 01 B	13/00
	G 01 B	3/22			15/06			13/18	524	G 01 B	1/00	787-790	G 01 B	5/30
197	B 27 G	17/08	294	G 01 C	15/06	413	B 43 L	7/00	525	G 01 B	1/00			7/16
	E 05 B	17/06	295	G 01 C	15/08		B 44 D	3/00			5/24	791	G 01 B	11/00
199	G 01 B	3/14	296	G 01 C	15/00	414	B 44 D	3/38	526-530	G 01 B	1/00	792-806	G 01 B	5/00
		3/36	297,298	F 41 G	1/38	415-417	B 43 L	7/10	531,532	G 01 B	3/56	807,808	G 01 B	3/16
		3/40			1/42	418-426	B 43 L	7/10			21/22	809	G 01 B	3/08
		3/48	299	F 41 G				13/00	533	G 01 B	5/25	810-812	G 01 B	5/14
		5/16				427-429	B 43 L	7/00			21/22	813-831	G 01 B	3/18
		5/20	300	G 01 C				13/00	534-538	G 01 B	3/56			5/00
200	A 61 B	3/10	301	G 01 C	9/00	430,431	A 47 B	27/00	539-541	G 01 B	1/00	832-838	G 01 B	3/22
201	G 01 B	5/20			17/00			85/02	542	G 01 B	3/00			5/00
202	B 23 D	63/00			19/00		B 43 L	5/00			5/00			
	G 01 B	5/20	302	E 21 B	47/02			7/00	542.1	G 01 B	3/00			
203	G 01 B	5/20	303	G 01 C	9/26			9/00	543	G 01 B	3/00			
		5/24			17/38			11/00			5/00			
203.1	G 04 D	7/08			19/04			13/00	544,545	G 01 B	1/00			
203.11	B 61 K	9/12	304-314	E 21 B	47/022	432-434	B 43 L	13/14			3/00			
	G 01 B	3/14	315	E 21 B	47/06	435	B 43 L	13/00			5/00			
203.12-203.21	G 01 B	5/24	316,317	G 01 C	19/36	436	G 01 B	3/00	546,547	G 01 B	1/00			
		7/30	318	G 01 C	19/00	437	B 43 L	7/08			3/14	1	F 26 B	3/34
		11/26	319	G 01 C	17/18	438-442	B 43 L	13/02			5/20	2	D 06 M	11/00
		13/18	320-323	G 01 C	19/00	443-446	A 47 B	27/00	548	G 01 B	3/00			13/00
		21/22	324-327	G 01 C	19/38		B 43 L	5/00			5/00			15/00
227	G 01 C		328-330	G 01 C	19/00			13/00			21/00	3		20/00
228	F 41 G		331	G 01 D	1/00			13/24	549,550	G 01 B	1/00	4	A 45 D	3/28
229-231	F 41 G	3/24	332	G 01 B	21/00	447-450	B 43 L	13/02			3/00	5	F 26 B	5/06
232	G 01 C	21/00	333	B 23 B	49/00			13/24			5/00			5/10
		23/00		B 23 Q	17/00	451	B 43 L	7/00	551	G 01 B	3/14	6,7	F 26 B	7/00
233	F 41 G			B 60 K	35/00		G 01 C	9/00			5/20	8	F 26 B	5/08
234-237	F 41 G	3/00			37/00	452-467	B 43 L	7/10	552-555	G 01 B	5/20	9,9.5	F 26 B	3/00
238,239	F 41 G	3/08	334	B 23 B	45/14	468	B 43 L	13/00			3/14	10	F 26 B	3/08
240	F 41 G	3/10		B 25 B	29/00			7/10	556-558	G 01 B	3/00			3/10
241	F 41 G	1/32		F 41 C	27/00			7/12			5/00	11-13.8	F 26 B	7/00
242,243	F 41 G	1/00		G 03 B	17/06			13/00	558.01-558.5	G 01 B	3/16	14	F 26 B	5/14
244	F 41 G	1/02	335-337	G 01 B	13/18	469	B 43 L	7/10	559-561	G 01 B	5/00	15-16.5	F 26 B	5/04
		1/06			21/22			13/00	562,563	G 01 B	3/14	17-21	F 26 B	7/00
		1/38	338	E 01 B	35/02	470	B 43 L	7/10	564,565	B 43 L	13/20	22-38	F 26 B	3/00
		3/00	339	G 01 C	9/00			7/14	566	B 43 L	7/00			5/00

U.S. Class 34

DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 34—Con.														
39-41	F 26 B	3/32	7.7	A 43 B	3/18	96	A 43 B	7/14	203,204	E 01 H	8/10			65/10
42	F 26 B	7/00	7.8	A 43 B	3/10	97	A 43 B	3/26	205	E 01 H	8/06	56	D 06 F	63/00
43	F 26 B	13/10	8.1	A 43 B	5/08	98	A 43 B	13/22	206	E 01 H	8/04			65/00
		21/00	8.2	A 43 B	3/00	99	A 43 B	13/14	207	E 01 H	8/12	57	D 06 F	63/00
44,45	F 26 B	13/10	8.3	A 43 B	5/12	100,101	A 43 B	3/24	208	E 01 H	8/02			65/10
		19/00	8.4	A 43 D	1/00	102	A 43 B	1/10	209-213	E 01 H	8/06	58,59	D 06 F	63/00
46	F 26 B	21/06	9	A 43 B	1/02	103,104	A 43 B	13/00	214-218	E 01 H	8/04			65/08
47-49	F 26 B	19/00	10	A 43 B	3/10	105	A 43 B	21/00	219	E 01 C	19/10	60	D 06 F	63/00
50	F 26 B	21/08				106	A 43 B			E 01 H	19/22			65/04
51	F 26 B	21/06	11	A 43 B	3/14	107,108	A 43 B	23/00	220	E 01 C	19/22	61	D 06 F	63/00
52	F 26 B	13/10	11.5	A 43 B	3/12	109	A 43 B	23/02	221-223	E 01 H	4/00	62	D 06 F	61/00
		19/00	12	A 43 B	13/28	110	A 43 B		224	E 01 C	19/23	63	D 06 F	67/00
53	F 26 B	19/00	13	A 43 C	13/00	111	A 61 D		225,226	B 30 B	9/00	64	D 06 F	61/00
54	F 26 B	21/00	14	A 43 C	13/08	112	A 43 B			E 01 H	5/00			71/32
55	F 26 B	19/00	15	A 43 C	13/00	113	A 43 B	3/30	227-230	E 01 H	5/10			67/00
56	F 26 B	13/10	16	A 43 B	9/10	114	A 43 B	5/00	231-235	E 01 H	5/04			71/40
		19/00	17	A 43 B	13/18	115-125	A 43 B	5/04	237	E 01 H	5/07	66	D 06 F	71/36
57	F 26 B	17/00	18,19	A 43 B	9/02			5/16	238-240	E 01 H	5/09			83/00
58,59	F 26 B	17/24				126,127	A 43 B	5/00	241	E 01 H	5/00	67	D 06 F	67/06
		17/30	19.5	A 43 B	9/12	128	A 43 B	5/02		E 01 H	5/09	68	D 06 F	71/32
60-71	F 26 B	19/00				129-135	A 43 B	5/00	242		6/00			67/00
72-84	F 26 B	21/06	21	A 43 B	13/28	136,137	A 43 B	23/00	243-262	E 01 H	5/09			69/02
85-91	F 26 B	19/00	22	A 43 B	13/00	138	A 43 B	11/00	263,264	E 01 H	5/04	69-73	A 47 G	71/32
92	F 26 B	13/30	23,24	A 43 B	23/20	139	A 43 B	23/00	265	E 01 H	5/02			25/62
93,94	F 26 B	19/00	24.5	A 43 B	13/28				266-277	E 01 H	5/06			25/66
95	F 26 B	13/26	25	A 43 B	13/00				278	E 01 H	5/02			25/12
95,1,95.2	B 43 L	17/04	26	A 43 B	13/02				279-283	E 01 H	5/06			25/76
95.3	B 43 L	17/08							284,285	E 01 H	5/02			25/78
95.4	B 43 L	17/08												
		21/00	27	A 43 B	13/28								E 04 H	15/20
96-101	A 45 D		28	A 43 B	13/18							74-76	D 06 F	75/00
102-107	F 26 B	25/00	29	A 43 B	13/20	1	E 02 F					77.1	D 06 F	75/06
108-142	D 06 F	58/00	30	A 43 B	13/12	2	A 01 B	13/00						75/10
	F 26 B	11/02	31	A 43 B	13/14		A 01 G	23/06						75/22
143-146	F 26 B	9/04	32	A 43 B	13/04		E 02 F	3/76				77.2	D 06 F	75/06
147	F 26 B	15/26	33	A 43 B	13/08	3	E 21 C	49/00	1	D 06 F	69/00			75/10
148-160	F 26 B	13/00	34	A 43 B	21/00	4	B 60 P	1/00	2	D 06 F	61/00	77.3	D 06 F	75/06
161-163	F 26 B	9/00	35	A 43 B	21/26		E 02 F				63/00			75/32
		13/06	36	A 43 B	21/36	7,8	B 60 P	1/36			65/00	77.4	D 06 F	75/06
164	F 26 B	9/00	37	A 43 B	21/32		E 02 F				69/00			75/40
165-178	F 26 B	17/12	38	A 43 B	21/30		B 60 P	1/00			71/00	77.5	D 06 F	75/06
179-183	F 26 B	11/12	39	A 43 B	21/24		E 02 F		3	D 06 F	61/00			75/10
184-188	F 26 B	11/09	40	A 43 B	21/02	54	E 02 F				63/00			75/22
189,190	F 26 B	11/18	41,42	A 43 B	21/36	55	E 02 F	5/00			65/00	77.6	D 06 F	75/06
		13/10	43,44	A 43 B	13/38	56	E 02 F				69/00			75/12
		15/20			23/00	57	E 02 F	3/94			71/00	77.7	D 06 F	75/06
191	F 26 B	21/06	45-49	A 43 B	23/00			7/00			87/00			75/10
192-200	F 26 B	11/18	50-53	A 43 B	11/00	58-68	E 02 F	3/88	4	D 06 F	61/00	77.8-77.82	D 06 F	75/06
		11/22	54	A 43 B	23/26		E 02 F	3/14			63/00			75/14
201-235	F 26 B	25/18	55	A 43 B	23/07	70	E 02 F	3/18			65/00	77.83	D 06 F	75/06
		19/00	56	A 43 B	11/00	71	E 02 F	3/34			69/00			75/18
236	F 26 B	19/00	57,58	A 43 B	23/00			3/40			71/00	77.9	D 06 F	75/06
		25/00	58,58.6	A 43 B	23/08			3/47	5	D 06 F	71/00			75/20
237,238	F 26 B	25/10	59	A 43 B	23/28	72	E 02 F	3/90	6,7	D 06 F	61/00			75/40
		25/18		A 43 C	15/00	73,74	E 02 F	9/00			63/00	79	D 06 F	75/00
239	A 01 F	25/12	61-67	A 43 C	15/00	75-79	E 02 F	3/00			65/00	80,81	D 06 F	75/02
	D 06 C		68	A 43 B	13/42	80	E 02 F	5/02			69/00	82	D 06 F	75/08
240	F 26 B	25/00	69	A 43 B	23/08	81,82	E 02 F	5/04			71/00			75/04
	A 01 F	25/12			23/10	83-90	E 02 F	5/06	8-11	D 06 F	69/02	83	D 06 F	75/02
241	F 26 B	21/12	70	A 43 C	15/00	91-97	E 02 F	5/08	12,13	D 06 F	71/40	84-87	D 06 F	75/36
242	F 26 B	25/00	71	A 43 B	19/00	98-103	E 02 F	5/02	14-16	D 06 F	71/34	88,89	D 06 F	75/34
243	F 26 B	19/00	71.5	A 43 C	13/00	104-107	E 02 F	5/22	17	D 06 F	71/00	90-92	D 06 F	75/38
			72-75	A 43 B	13/22	108-114	E 02 F	5/00	18	D 06 F	71/08	93	D 06 F	79/00
			76	A 43 B	13/42	115-117	E 02 F	3/46	19-21	D 06 F	71/08	94,95	D 06 F	75/40
					23/22	117.5	E 02 F	3/76	22	D 06 F	71/08	96	D 06 F	75/38
						118	E 02 F	3/00	23,24	D 06 F	71/08	97	D 06 F	79/00
						119	E 02 F	5/00	25	D 06 F	71/08	98	D 06 F	25/00
						120-141	E 02 F		26	D 06 F	71/08	99	A 47 G	25/72
						142	E 02 F	9/28	27	D 06 F	71/08			75/00
						142.5	E 02 F	5/22	28-31	D 06 F	71/00			3/00
						182-188	B 66 C	3/02	32-41	D 06 F	71/08	100,101	D 06 F	3/08
						189,190	E 02 F	3/24	42,43	D 06 F	71/00	102	D 06 C	1/04
						191,192	E 02 F	3/14	44	D 06 F	61/00	102.1	D 06 C	3/08
						193	E 02 F	5/18			67/00	102.2	D 05 C	3/08
						194	E 02 F	9/00	45	D 06 F	61/00	102.3-102.91	D 06 C	81/00
						195	E 02 F	1/00			63/00	103-139	D 06 F	81/14
						196	E 01 C	19/22			67/00	140	D 06 F	83/00
							E 01 H	4/00	46	D 06 F	61/00	141	D 06 F	79/02
								5/00	47	D 06 F	63/00	142	D 06 F	67/04
								4/00	48	D 06 F	61/04			
								5/00	49-51	D 06 F	61/08			
								8/02	52,53	D 06 F	61/02			
								8/02	54	D 06 F	63/00			
								8/08			65/00			
								8/02	55	D 06 F	63/00			

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 40																	
CARD, PICTURE AND SIGN EXHIBITING																	
1	G 09 F	11/00	393	B 42 F	21/00	599	G 09 F	23/00	51	F 41 C	7/00	11	A 01 K	73/02			
15.1.6	A 44 C	3/00	394	B 42 F	17/18	600	G 09 F	7/04	52	F 41 C	9/04	10	A 01 K	73/00			
5.6	G 09 F	3/20	395-398	B 42 F	17/22	601.602	G 09 F	7/00	53	F 41 C	9/00	11.12	A 01 K	77/00			
27.27.5	G 09 F	3/02	399	B 42 F	1/10	603.604	G 09 F	17/00	54	F 41 A	33/00	13	A 01 K	75/00			
107	G 09 D	3/00			3/00	605	G 09 F	7/00		F 41 C	3/00	14	A 01 K	73/12			
109	G 09 D	3/10			5 00	606-608	G 09 F	15/00			3/06	15.16	A 01 K	97/12			
110	G 09 D	3/00	400	B 42 F	17/22	609	G 09 F	23/00	55	F 41 C	3/00	17	A 01 K	85/01			
111.112	G 09 D	3/06	401.402	B 42 F	13/00	610	G 09 F	15/00			3/06			93/00			
113	G 09 D	3/08	403	B 42 F	17/22	611	G 09 F	7/02	57	F 41 C	3/08			97/12			
114	G 09 D	3/06	404	B 42 F	3 00	612	G 09 F				3/08	17.1	A 01 K	79/02			
115	G 09 D	3/08	405	B 42 F	5/00	613-615	G 09 F	19/00	58	F 41 C	3/00	17.2	A 01 K	97/00			
116-118	G 09 D	3/10	406-410	G 09 F	19/00	616	G 09 F	7/22			3/06	17.5.17.6	A 01 K	75/02			
119-121	G 09 D	3/04	411-425	G 09 F	19/08	617	G 09 F	7/02	59	F 41 C	3/14			85/00			
122	G 09 D	3/02	426	G 09 F	19/00	618	G 09 F	7/00			9/61	18.1.18.5	A 01 K	87/00			
124	G 09 F	1/10	427	A 47 F	11/06	619.620	G 09 F	7/00			3/14	19	A 01 K	91/02			
124.1	G 09 F	1/00			1/00	621	G 09 F	7/04			3/14	19.2	A 01 K	87/00			
124.2.124.4	G 09 F	1/10			19/12	622	G 09 F	7/06			17/00	20.21	A 01 K	87/06			
124.5	G 09 F	19/00			19/00	623	G 09 F	7/00	68	F 24 H	9/06			89/00			
152.152.1	A 47 G	1/12	428-430	G 09 F	19/00	624	G 09 F	15/00			15/00	21.2	A 01 K	97/10			
	A 47 G	1/06	431	G 09 F	13/00	625-629	G 09 F	3/02			19/00	22	A 01 K	87/06			
152.2	G 09 F	13/00	432	G 09 F	13/30	630	G 09 F	3/04	69.01	F 41 A	3/00	23	A 01 K	87/00			
	G 09 F	13/00	433.434	G 09 F	13/00			3/10	69.02.69.03	F 41 A	17/00	24	A 01 K	87/04			
	G 09 F	13/00	435-441	G 09 F	19/00	631.632	G 09 F	3/02	71.01-74	F 41 C	23/00	25.25.2	A 01 K	87/00			
	G 09 F	13/00	442-444	G 09 F	13/00	633	A 44 C	5/00	75.01-78	F 41 A	21/00	26	A 01 K	97/08			
	G 09 F	13/00	445	G 09 F	19/00		A 61 B	5/103	79	F 41 A	21/00	26.1	A 01 K	89/00			
	G 09 F	13/00	446	G 09 F	3/04	634	A 44 B	5/117			27/00	26.2	A 01 K	85/00			
153-157	A 47 G	1/06	447	G 09 F	9/00		G 09 F	15/00	83	F 41 A	17/00	27.2.27.4	A 01 K	91/00			
	G 09 F	1/12	448.449	G 09 F	3/04	635-637	G 09 F	23/00	84	F 41 A	19/00	34-37	A 01 K	83/00			
158.1	B 44 C	5/02	450-452	G 09 F	19/14	638	G 09 F	3/10	85	F 41 C	23/00			83/02			
159	A 47 G	1/06	453	G 09 F	25/02	639.640	G 09 F	23/00			23/02	41.41.2	A 01 K	97/04			
	G 09 F	1/10	454	G 09 F	27/00	641	G 09 F	23/10	86	F 41 C	27/00	42-42.53	A 01 K	85/00			
159.1	B 44 C	5/02	455-457	G 09 F	19/00	642	G 09 F	3/18			27/18	42.7-43.15	A 01 K	91/00			
159.2	G 03 B	21/64	458	G 09 F	19/04	643.644	G 09 F	21/04	87-89	F 41 A	9/61	43.16-43.6	A 01 K	83/00			
160	A 47 G	1/06	459.460	G 09 F	19/00	645	G 09 F	23/00			9/82	44.2-44.82	A 01 K	83/06			
	G 09 F	1/12	461	G 09 F	21/04	646	G 09 F	3/18	90	F 41 A	15/00	44.83-44.86	A 01 K	91/04			
200-203	G 09 F	7/00	462	G 09 F	19/00	647-655	G 09 F	3/20			29/00	44.87-44.97	A 01 K	91/00			
204	G 09 F	13/02	463-469	G 09 F	19/00	656	G 09 F	23/00			31/00			93/00			
205.206	G 09 F	13/08	470	G 09 F	11/18	657	A 47 G	7/00			27/00			95/00			
207	G 09 F	7/02	471	G 09 F	11/12			29/10	93	F 41 C	23/00	44.98	A 01 K	91/00			
208	G 09 F	13/16	472	G 09 F	11/02	658.659	G 09 F	3/20			31/00	44.99	A 01 K	97/02			
209.210	G 09 F	7/00	473-475	G 09 F	11/00	660.661	G 09 F	3/18			27/00	53.5	A 01 K	97/00			
211	G 09 F	7/22	476	G 09 F	19/00	662.663	G 09 F	3/08			27/04	54.1-57	A 01 K	97/04			
212	G 09 F	21/06	477	G 09 F	11/18	664.665	G 09 F	3/14	114	F 41 A	9/62			97/06			
213	G 09 F	21/16	478	G 09 F	13/00	666	G 09 F	3/16			29/00	57.1.57.2	A 01 K	97/00			
214	G 09 F	21/06	479	G 09 F	19/00	667	G 09 F	3/08			31/00	57.3	A 01 K	97/04			
215	G 09 F	21/12	480	G 09 F	7/00	668	G 09 F	3/12			29/00	58	A 01 M	1/10			
216	B 64 D	1/02	481-485	G 09 F	11/00	669	G 09 F	23/00	95	F 41 A	35/04	59	E 05 G	5/02			
217	G 09 F	21/06	486-488	G 09 F	7/00	670	G 09 F	23/00			27/00	60-63	G 08 B	23/02			
218	G 09 F	17/00	489-491	G 09 F	11/02	908-915	G 09 F				27/00		A 01 M	23/16			
219	G 09 F	13/12	492	G 09 F	11/02						3/14	64	A 01 M	23/32			
299	G 09 F	3/10	493.494	G 09 F	11/02						1/46			1/12			
300-340	G 09 F	3/00	495.496	G 09 F	11/02						1/38			23/14			
341.342	B 41 J	11/38	497-501	G 09 F	11/32						1/42	65-67	A 01 K	69/06			
	B 41 J	13/00	502	G 09 F	11/30						1/34	103	A 01 M	23/08			
343	B 41 J	11/36	503-507	G 09 F	11/30	101	F 41 A	9/53			27/00	104	A 01 M	23/00			
	B 41 J	13/00	508-511	G 09 F	11/32	102.103	F 41 A	9/62			27/06	105	A 01 M	23/16			
344-346	B 41 J	11/38	512	G 09 F	11/30	104.105	F 41 A	9/53			27/00	106	A 01 M	23/04			
	B 41 J	13/02	513	G 09 F	11/18	106	F 41 A	21/00			27/00			23/12			
347.348	B 41 J	11/38	514-523	G 09 F	11/12			25/00				71.72	A 01 M	23/10			
	B 41 J	15/02	524-528	G 09 F	11/00	107	F 41 A	3/00			73	A 01 M	1/12				
349-351	B 41 J	11/14	529	G 09 F	13/00	108	F 41 C	9/00						23/14			
352-357	B 41 J	11/64	530-537	G 09 F	13/20	109	F 41 C	9/02				74.75	A 01 M	23/10			
358	B 43 M	3/00	538-540	G 09 F	13/22	110	F 41 C	9/00				76-83.5	A 01 M	23/30			
	B 43 M	17/00	541	G 09 F	13/26	111	F 41 C	9/06						23/36			
359.360	B 42 F	21/00	542	G 09 F	13/18	112	F 41 C	3/02				84	A 01 M	27/00			
	B 42 F	27/00	543	G 09 F	13/00	113	F 41 C	9/00				85-87	A 01 M	23/34			
361-364	B 42 F	27/02	544	G 09 F	13/00	114	F 41 C	9/06				88-91	A 01 M	23/26			
365	G 02 B	27/04	545	G 09 F	13/00	115	F 41 C	27/06				92	A 01 M	23/28			
366.367	G 02 B	27/02	546	G 09 F	13/00	116	F 41 C	9/00				93-96	A 01 M	23/24			
368.369	G 09 F	9/00	547-549	G 09 F	13/00	117	F 41 C	27/06						23/28			
370	G 09 F	21/04	550.551	G 09 F	13/28	118	F 41 C	9/00				97	A 01 M	23/28			
371	B 42 F	17/06	552-558	G 09 F	13/00	119	F 41 C	9/00				98.99	A 01 M	19/00			
372	B 42 F	17/06	559	G 09 F	13/02	120	F 41 C	9/00						23/38			
373-376	B 42 F	17/06	560-563	G 09 F	13/00	121	F 41 C	9/00						3/00			
377	A 47 B	49/00	564.565	G 09 F	13/04	122	F 41 C	9/00						69/00			
378	B 42 F	17/34	566.567	G 09 F	23/00	123	F 41 C	9/00						71/00			
379	B 42 F	13/12	568-578	G 09 F	13/04	124	F 41 C	9/00						73/00			
380	B 42 F	17/34	579.580	G 09 F	13/06	125	F 41 C	9/00						73/04			
381	B 42 F	17/34	581	G 09 F	13/06	126-41	F 41 C	9/00						73/06			
382.383	B 42 F	17/04	582.583	G 09 F	13/16			15/00						73/10			
384	B 42 F	21/00	584.585	G 09 F	13/16			7/00						100.101	A 01 K	69/00	
385-387	B 42 F	17/28	586	G 09 F	7/00	42.01-42.03	F 41 A	3/00						102-104	A 01 K	71/00	
388	B 42 F	17/00	587-593	G 09 F	21/04	43	F 41 A	3/00						105	A 01 K	69/10	
389	B 42 F	17/20															

CONCORDANCE 1990—United States to International Patent Classification

U.S. - IPC			U.S. - IPC			U.S. - IPC			U.S. - IPC			U.S. - IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 43—Con.			25	C 10 L	5/14	25	A 01 G	17/00	51	C 10 H	15/24	120 1	B 01 F	3/02
					5/40	26,27	A 01 G	13/00	52-53 3	C 10 H	15/06		C 10 K	3/06
112	A 01 M	1/22	26	C 10 L	5/12	28	A 01 G	13/00	53 4	C 10 H	15/10	181-189	F 02 M	
	H 05 C	3/00			5/40		A 47 G	7/08	54	C 10 H	15/14		B 01 F	3/02
113	A 01 M	1/04	27	C 10 F		29	A 01 G	13/04	55	C 10 H	15/08		C 10 K	
		1/08	28-30	C 10 F		30,31	A 01 G	13/00	56	C 10 H	21/08	189 1	B 01 F	3/02
114-117	A 01 M	1/14		F 26 B			A 47 G	7/08	57	C 10 H	21/16		C 10 K	3/06
118	A 01 M	1/10	31	C 10 F	7/02	32	A 01 G	9/00	58	C 10 H			F 02 M	
119	A 01 M	1/24	32	C 10 F	7/06	33	A 01 G	1/00	59	C 10 H	21/02	189 2	B 01 F	3/02
120-123	A 01 M	1/10	33	C 10 F	5/00	39,40	A 47 G	7/00	60	C 10 H	21/02		C 10 K	3/06
		1/20			7/00	40.5	A 47 G	7/02			21/10		F 02 M	31/00
		5/00	42	C 06 F	3/00			33/12	61	B 01 J	7/00	189 3	B 01 F	3/02
		7/00			5/00	41-41.13	A 01 G	5/00		C 10 J			C 10 K	3/06
		13/00	43,44	A 24 F	27/12		A 47 G	7/00	62	B 01 J	3/00		F 02 M	23/00
		17/00		C 06 F	5/00	42,43	A 01 G		63,64	C 10 J	3/20	189 4	B 01 F	3/02
		19/00	45	A 24 F	27/20	44-47	A 01 G	17/06	65	C 10 J	3/18		C 10 K	3/06
		25/00			27/26			17/14			3/20		F 02 M	29/00
124	A 01 M		46	C 06 F	3/02	48.5	A 01 G	29/00	66	C 10 J	3/72	189 5	B 01 F	3/02
125-127	A 01 M	13/00	47	C 06 F		50-54	A 01 G	23/10	67,68	C 10 J	3/76		C 10 K	3/06
		19/00	48	A 24 F	29/00	55	A 01 G	5/00	69	C 10 J	3/72		F 02 M	29/02
128	A 01 K	55/00	50	C 10 L	1/00	56	A 01 C	1/04	71,72	C 10 G		189 6	B 01 F	3/02
129,130	A 01 M	19/00	51	C 10 L	1/32	57.5	A 01 G	29/00		C 10 J	3/68		C 10 K	3/06
131	A 01 M	1/20	52	C 10 L	1/00	57.6	A 01 C	1/06		C 10 K			F 02 M	29/04
		25/00	53-56	C 10 L	1/02			21/00	73	C 10 J	3/20	190	F 17 D	1/04
132 1	A 01 M	1/20	57	C 10 L	1/08	58	A 01 B	79/00	74	C 10 J	3/72	191,192	F 17 D	3/00
		5/00			1/10		A 01 C	1/00	75	C 10 J	3/72	193,194	F 17 D	5/02
		7/00	58-60	C 10 L	1/10	59-64	A 01 G	31/00	76-81	C 10 J	3/68	195	C 10 J	1/28
133	A 01 M	5/00	61 63	C 10 L	1/14	65	A 01 G	31/02	82	C 10 J	3/20	196	C 10 J	1/00
134,135	A 01 M	3/00	64	C 10 L	1/22	66	A 01 G	9/02	83	C 10 J	3/22		C 10 K	
		5/02	65,66	C 10 L	1/18	67	A 01 G	9/02	84	C 10 J	3/68	197	C 10 J	
136	A 01 M	3/04	67	C 10 L	1/12		A 47 G	7/02			3/70		C 10 K	
		5/02	68,69	C 10 L	1/30	68	A 01 G	9/02		C 10 K	3/00	199	C 10 J	1/20
137	A 01 M	3/02			1/14	69	A 01 G	9/14	85	C 10 J	3/20		C 10 K	3/06
		5/02	70	C 10 L	1/18	70	A 01 G	9/12	85 1	C 10 J	3/00	200	C 10 J	3 00
138	A 01 M	5/04	71-75	C 10 L	1/22	71	A 01 C	9/04			3/72	201	C 10 J	3.68
139	A 01 M	1/06	76	C 10 L	1/24	72	A 01 G	9/02	85 2	C 10 J	3/00			3 70
		1/08			1/26	73-75	A 01 C	23/02			3/32		C 10 K	3.06
		5/00			1/28	76	A 01 G	23/04	86	C 10 J	3/30	202	C 10 J	3.16
		5/08			1/30	77	A 01 G	9/10			3/50			3.46
140	A 01 M	5/00	77,78	C 10 L	1/18	78	A 01 G	9/02	87	C 10 J	3/72		C 10 K	3.06
		5/08	79	C 10 L	1/20	79-82	A 01 G	25/00	89	C 10 B	3/72	203,204	C 10 J	3.00
141	A 01 M	5/08	90-505	C 10 L	5/00	83-87	A 01 G	9/02		C 10 B	1/00	205	C 10 J	1.00
142,143	A 01 M	5/04	506	C 06 C	9/00					C 10 J	3/00			3.00
		5/08	519	C 06 C	5/00	U.S. Class 48			90-96	F 27 B	5/00	206-210	C 10 K	3.06
144	A 01 M	1/20	520-545	C 10 L	11/00	GAS, HEATING AND ILLUMINATING			98	C 10 J	3/20	211-215	C 10 J	3/00
		15/00	550	C 10 L	5/00				99-101	C 10 B	1/00		C 10 K	3/06
500	A 01 M	7/00	589,590	C 10 L	5/40					C 10 J	3/00	216,217	C 10 H	
			591,592	C 10 L	5/02	1	C 07 C	11/24		F 27 B	5/00	219	C 10 J	1/00
			593-599	C 10 L	5/06	2	C 10 H		102-107	C 10 G	9/04		C 10 K	3/06
			600-604	C 10 L	10/00	3	C 10 H	5/00		C 10 J	3/00			
			605-639	C 10 L	5/00	4	C 10 K	3/06	108,109	C 10 G	3/00	U.S. Class 49		
			640-642	C 10 L	10/00	5-9	C 10 H	5/00	110	C 10 G	9/04	MOVABLE OR REMOVABLE CLOSURES		
						10	C 10 H	5/04	111-113	C 10 J	3/00	1-8	E 05 F	15/20
								5/08	116	C 10 J	1/20	9	E 01 F	13/00
								5/00	117,118	C 10 J	1/20	10-12	E 06 B	11/00
						11	C 10 H	5/00			3/20	13,14	G 08 B	13/08
								19/02	118 5	C 10 J	3/00	15-17	E 05 B	47/00
						12-18	C 10 H	5/00	119,120	C 10 B	1/00			53/00
						19-22	C 10 H	7/00		C 10 G	9/04	18	E 05 B	47/06
						23-27	C 10 H	1/00		F 27 B	5/00		E 05 F	15/10
								3/00		C 10 B	1/08	19,20	E 05 B	47/00
						28	C 10 H	1/02	122	C 10 G	9/04			53/00
								3/00		C 10 J	3/00			
						29-33	C 10 H	1/00		C 22 C		21-23	E 05 F	15/20
								3/00		F 27 B	5/00	24	E 05 B	53/00
						34,35	C 10 H	1/00	123	C 10 B	1/04	25	E 05 F	15/20
								3/00		C 10 G	9/04	26-28	E 05 F	15/02
						36	C 10 H	1/00		C 10 J	3/00			15/10
								3/00		F 27 B	5/00	29-31	E 05 F	15/20
								21/08	124,126	C 10 B	1/00	32	E 05 F	15/10
						37	C 10 H	1/02		C 10 G	9/04	33	E 06 B	11/00
								3/00		C 10 J	3/00	34	E 01 F	13/00
						38	C 10 H	15/00	128	C 10 K		35	E 05 B	65/00
								19/00	144,160	C 10 G	9/04	36	B 60 J	5/00
						39	C 10 H	15/14		C 10 J	1/00	37	E 06 B	7/00
						40-42	C 10 H	15/00			3/00	38,39	E 06 B	7/02
						43	C 10 H	15/08	170	C 10 K		40,41	E 06 B	3/34
						44,45	C 10 H	15/00	173	C 10 J	3/82	42-45	E 05 D	15/02
						46	C 10 H	15/00	174	F 17 B	1/00	46,47	E 06 B	11/08
								15/00	175	F 17 B	1/14	48	B 60 J	1/08
						47	C 10 H	15/20	176	F 17 B	1/18	49	E 01 F	13/00
						48,49	C 10 H	15/18	177	F 17 B	1/20	50-57	E 06 B	3/68
						50	C 10 H	15/00	178,179	F 17 B	1/18			7/08

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 49—Con.						246-249	E 05 D	15/28	387	E 05 F	1/00	26	B 24 B	15/00	154,155	B 24 B	5/00						
		9/01			15/40	388	E 05 D	7/08	27-30	B 23 C	3/05	156,157	B 24 B	25/00									
58-60	E 06 B	9/52			15/42	389	E 05 D	7/10	31-41	B 24 B	15/02	158,159	B 24 B	3/48									
61-63	E 05 B	65/04			15/44			7/12	42	B 24 B	7/00	160	B 24 B	13/00									
64	E 05 C	7/02	253	E 05 D	15/28	390	E 05 D	15/00	43-47	B 24 B	9/00	161	B 24 B	5/00									
65-67	E 06 B	7/08			15/40	391	E 06 B	3/34			7/00	162	B 24 B	13/00									
	E 05 B	65/04	254	E 05 D	15/58	392,393	E 06 B	1/00	48	B 24 B	3/00	163,163.2	B 24 B	31/00									
68-70	E 05 C	7/02	255,256	E 05 F	7/02			7/16	49	B 24 B	5/18	164.1-164.5	B 24 B	31/02									
71	E 06 B	7/00	257-260	E 05 D	15/56	394	E 05 B	65/06	50	B 24 B	5/00	165-165.93	B 24 B	49/00									
72	B 60 J	1/08	261	E 05 D	15/02			19/00	51	B 24 B	29/00	166-169	B 24 B	41/00									
	E 06 B	7/00	262	E 05 F	13/02	395	E 05 C	9/00			37/00	170-180	B 24 B	23/00									
73	E 05 C	7/06	263-272	E 05 F	13/04	396	E 05 F	7/06	52	B 23 F	3/46	181	B 24 B	27/08									
	E 05 F	17/00	273,274	E 05 F	11/00	397-402	E 05 D	7/00	53	B 24 B	29/00	204-214	B 23 F	25/00									
74-92	E 05 F	17/00	275-278	E 05 F	11/02	403	E 06 B	7/08			19/05			21/03									
	E 06 B	7/08	279	E 05 F	11/54	404	E 05 D	15/06			5/00			21/23									
93	E 06 B	11/00	280	E 05 F	15/00			15/16			5/00			33/00									
94-102	E 05 C	7/06	281	E 05 F	11/02			3/34			5/00			5/00									
	E 05 F	17/00			11/54	405	E 06 B	11/00			29/00			7/00									
103	E 05 F	5/12	282-299	B 61 L	29/08	406,407	E 05 D	15/14	54-66	B 24 B	7/00			7/16									
104-123	E 05 C	7/06			11/02			15/16			9/00	215	B 24 B	47/02									
	E 05 F	17/00			11/00	408	E 06 B	7/00	67	B 24 B	5/00	216,217	B 24 B	41/06									
124	E 06 B	11/00	300	E 05 F	11/00	409-412	E 06 B	7/14	68-78	B 24 B	7/00	218-229	B 24 B	19/00									
125-127	E 05 D	15/26			11/54			13/00			9/00	230-234	B 24 B	47/02									
128-130	E 05 D	15/20	301	E 05 F	11/04			15/06	79	B 24 B	5/18	235	B 24 B	47/00									
131	E 06 B	11/00			11/54	413	E 05 D	15/16	80-87	B 24 B	7/00	236,237	B 25 B	5/00									
132-134	E 05 F	13/04	302	E 05 F	11/00			15/06			9/00	238-240	B 24 B	7/07									
	E 06 B	11/00			11/54	414-419	E 06 B	3/32	88,89	B 24 B	5/00			41/06									
135	E 06 B	11/00	303-315	E 06 B	7/20			13/00	90-95	B 24 B	3/00	241-261	B 24 B	19/00									
136	E 05 F	11/00	316-321	E 06 B	7/28			15/16			5/00	262	B 24 B	21/18									
137	E 05 F	15/02	322	E 05 D	13/00	420	E 05 D	7/16	96	B 24 B	7/00			33/00									
138-140	E 05 F	15/00			3/00			13/00			9/00			47/26									
141	E 05 B	65/10	323	E 05 F	11/38			15/06	97	B 24 B	5/00			55/00									
142,143	E 05 D	15/00	324-326	E 05 F	11/00	421-423	E 05 D	15/16	98-99	B 24 B	7/00	262.1	B 41 J	11/62									
	E 06 B	3/32	327-332	B 61 L	29/08			7/16			9/00	263,264	B 24 B	57/00									
144	B 60 J	1/12			11/02	424	E 06 B	7/16	100	B 24 B	7/00	265	B 24 B	55/04									
145	E 06 B	3/32			11/00	425-427	E 05 D	13/00			9/00	266,267	B 24 B	55/02									
146	B 60 J	1/08	333	E 05 F	11/00			15/06			17/00	268-272	B 24 B	55/04									
147	E 05 D	7/00	334	E 05 F	15/02			15/16	101,102	B 24 B	7/00	273	B 24 B	55/06									
148	E 06 B	7/00			15/10	428	E 05 D	15/16			9/00	274	B 24 B	55/04									
149	E 05 D	15/48	335-337	E 05 F	11/00			7/16	103	B 24 B	5/00	275-277	B 24 B	19/00									
	E 05 F	11/52	338,339	E 05 F	11/24	429,430	E 05 F	1/00			5/18	281-292	B 24 B	1/00									
150,151	E 05 D	15/22	340	E 05 F	11/24			3/00			29/00			7/19									
152-154	E 05 D	15/48			15/02	431-444	E 05 D	15/16	104	B 24 B	3/46			7/30									
	E 05 F	11/52			15/10			7/16			5/00	293	B 24 D	3/00									
155	E 05 D	15/22	341-343	E 05 F	11/24	445-448	E 05 F	1/00	105	B 23 C	3/05			11/00									
156	E 06 B	11/00	344	E 05 F	11/08			3/00			5/00			17/00									
157	E 05 D	15/48	345	E 05 F	11/28	449	E 05 B	55/00			17/00			18/00									
	E 05 F	11/52	346	E 05 F	11/24			1/00	106	B 24 B	5/00			3/14									
158-160	E 06 B	11/00	347	E 05 F	11/04			3/00			29/00	294	B 24 D	11/02									
161,162	E 05 D	15/22	348	E 05 F	11/38	450,451	E 05 F	1/00			5/00			17/00									
163	E 05 D	15/48	349	E 05 F	15/08			3/00	107	B 24 B	5/00			17/00									
	E 05 F	11/52			15/16	452-459	E 05 D	13/00	108	B 24 B	5/00	295	B 24 B	1/00									
164,165	E 05 D	15/22	350,351	E 05 F	11/44			15/06			5/18			11/00									
166,167	B 60 J	1/08			11/46			15/16	109-116	B 24 B	7/00	296	B 24 B	1/00									
	E 05 D	15/48	352	E 05 F	11/48	460	E 05 B	1/00			9/00	297	B 24 D	3/00									
168-170	E 05 D	15/48	353	E 05 F	11/44			3/30			5/00	298-303	C 09 K	3/14									
	E 05 F	11/52	354,355	E 05 F	11/36	461	E 05 F	7/00	117	B 24 B	5/00	304	C 09 K	3/14									
	E 06 B	7/28	356	E 05 F	9/00	462	B 60 J	5/00			29/00			1/00									
171	E 06 B	7/28	357-361	E 05 F	11/00			7/00			9/00	305,306	B 24 B	3/14									
172-189	E 05 D	15/22	362	E 05 F	11/34	463,464	E 06 B	3/32			3/00			3/02									
190,191	E 06 B	11/00			11/40	465	E 05 C	21/02	123	B 24 B													

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 51—Con.						5/00	174-176	E 01 F	9/00		15/22	776	A 45 D	42/00			
412	B 24 C	3/34			6/00			E 04 H	6/42	404	E 04 B	1/74		E 04 B	1/61		
413,414	B 24 C	3/32			9/00			E 04 F	11/16	405-407	E 04 B	2/00	777	E 04 B	2/00		
415,416	B 24 C	3/00	80,81	E 04 B	1/32	182-191	E 04 F	11/00	408-413	E 04 B	5/00		E 04 C	2/34			
417-420	B 24 C	3/08			7/08			19/10	414	E 04 B	1/18	778-781	E 04 B	2/00			
		3/18	82	E 04 B	7/00	192-197	E 04 H	7/00	415-421	E 04 B	2/00		E 04 C	2/54			
421	B 24 C	3/20	83	E 04 B	7/14	198,199	E 04 B	7/00	422	E 04 C	3/30	782	E 04 C	2/00			
422	B 24 C	3/26	84	B 61 D	17/02			12/28	423-442	E 04 B	2/00			2/54			
423	B 24 C	3/30			9/14	200	E 04 B	7/18	443-454	E 04 B	9/00	783,784	A 47 B	13/08			
424-426	B 24 C	9/00	85	E 04 G	15/02	201	E 06 B	1/38		E 04 F	13/04	785	E 04 C	2/54			
427	B 24 C	3/00			1/24	202	E 06 B	3/26	455-458	E 06 B	3/70	786	A 47 G	1/00			
		5/04	86-89	E 04 B	1/32	203	E 06 B	3/28	459-472	E 04 C	3/00		E 04 C	2/54			
428	B 24 C	5/00	90-93	E 04 B	7/02	204-207	E 06 B	1/04		E 04 D	1/36		E 04 C	2/54			
429	B 24 C	3/06	94-96	E 04 B	7/00	208	E 06 B	3/00	473	E 06 B	7/08	787-790	E 04 C	2/54			
430	B 24 C	5/08			3/40	209	E 06 B	7/14	474-491	E 04 B	9/00	791	E 04 C	2/34			
431	B 24 C	5/06			13/00	210-217	E 06 B	1/04		E 06 B	3/54	792	E 04 C	2/32			
432,433	B 24 C	5/06			13/00	218	E 04 H	12/28	503-505	E 04 B	5/48	793,794	E 04 C	2/34			
		7/00	97	E 04 D	15/00	219	E 04 D	13/14		E 04 C	1/39	795-801	E 04 C	2/32			
434,435	B 24 C	5/06	98-100	E 04 B	1/00			15/06		E 04 B	1/38	802-806	E 04 C	2/34			
436,437	B 24 C	7/00			1/00			12/28	506-513	E 04 C	1/40	807	E 04 C	2/36			
		9/00	101	A 01 K	3/00	220,221	E 04 B	5/48	514	E 02 D	37/00	808-810	E 04 C	2/34			
438	B 24 C	7/00			1/72			17/00		E 04 G	23/00	811	E 04 C	2/00			
439	B 24 C	5/04			9/16	222	E 04 B	1/00	515-517	B 27 K	1/00	812	A 45 D	42/00			
			102	E 02 D	27/00	223-230	E 04 C	3/10			3/00		A 47 G	1/00			
			103,104	E 01 F	9/02			3/26			5/00	813	E 04 C	2/38			
				E 04 H	13/00			5/08		E 04 B	1/62	814	E 04 C	2/32			
U.S. Class 52						105	E 04 B	1/00	231	E 04 C	3/20	518-542	E 04 D	1/00			
STATIC STRUCTURES, E.G., BUILDINGS						106	E 04 H	3/08	232	E 04 C	2/00	543-552	E 04 D	1/34			
					107	E 04 F	17/06	233	E 04 B	1/10	553-560	E 04 D	1/00				
1	E 04 H	9/00						5/02	234-243 1	E 04 H	1/00	561-572	E 04 B	1/02	U.S. Class 53		
		14/00	108,109	E 04 H	12/18			3/00			5/00	573	E 04 C	3/30	PACKAGE MAKING		
2	E 04 B	1/34	110	E 04 H	12/00			6/00			6/00		E 04 B	1/68	48,49	B 65 B	21/00
	E 04 G	11/04		H 01 Q	1/08			14/00			14/00		E 04 C	3/30			21/08
3	B 62 D	63/04	111-121	B 66 C	23/06	244	E 04 H	12/28			12/28	574-577	E 04 C	3/00			27/04
	E 04 B	1/34			23/62	245-249	E 04 B	1/32			1/32	578-595	E 04 C	3/30			
4	E 04 D	1/34		E 04 H	12/34			1/04			1/04	596-612	E 04 B	5/04	50	B 65 B	61/20
5	E 04 D	5/00	122 1	E 02 D	35/00			1/00			1/00		E 04 C	2/04	51	B 65 B	57/00
6	E 04 H	3/10		E 04 B	1/00	250-260	E 04 B	1/00			1/00		E 04 C	2/04	52	B 65 B	19/28
7	E 04 H	3/26		E 04 G	21/00	261-289	E 04 B	1/00			1/00	630	E 04 C	2/32			57/00
8-10	E 04 H	3/12	123 1	B 66 C	23/34			5/00			5/00			2/38	53-58	B 65 B	57/00
11-15	E 04 D	13/00		E 04 H	12/34			7/00			7/00	631	E 04 C	2/00	64-72	B 65 B	57/02
16	E 04 D	13/08	124 1,124 2	E 04 H	13/00	290	E 04 B	5/00			5/00	632	E 04 G	25/00	73,74	B 65 B	57/12
17	B 61 D	17/18	125 1-125 6	E 02 D	35/00			19/04			19/04		E 04 H	12/18	75,76	B 65 B	57/00
18	E 04 B	7/12		E 04 G	21/14	291	E 04 G	23/00			23/00	633-636	E 04 B	1/18			3/26
19	E 02 D	29/14		E 04 H	12/34	292-297	E 02 D	27/00			27/00			5/10	77	B 65 B	57/00
	E 04 B	7/18	126 1	E 04 B	2/82			27/32			27/32			5/18	79-111	B 65 B	31/00
	E 04 D	13/00			9/00	298,299	E 02 D	27/42			27/42		E 04 C	3/02			81/18
	E 04 F	19/08		E 04 G	1/22	300,301	E 04 H	12/00			12/00	637,638	E 04 H	12/00	113,114	B 65 B	
20,21	E 02 D	29/14	126 2	E 04 B	5/48	302,303	E 04 B	1/70			1/70	639-644	E 04 B	1/32	115	B 65 B	55/00
22,23	E 04 B	7/00	126 3,126 4	E 04 B	2/82			17/00			17/00			7/08			55/20
24-26	E 04 D	13/00	126 5,126 6	E 04 B	9/00	304	E 06 B	3/24			3/24		E 04 C	3/38			61/22
27,28	E 04 F	19/00	126 7	E 04 G	1/22			3/64			3/64	645,646	E 04 H	12/18			63/00
	E 04 H	14/00	127 1	E 02 D	35/00	305	E 04 B	1/70			1/70	647	E 04 B	5/10	116-120	B 65 B	63/04
29-32	B 66 B	9/00		E 04 B	1/00			17/00			17/00		E 04 C	3/02	121,122	B 65 B	55/00
	E 04 H	6/06		E 04 G	21/14	306-308	E 04 B	5/46			5/46	648-655	E 04 H	12/00			63/00
33	E 04 H	3/04	127 11,127 12	E 04 B	2/82			1/42			1/42	656-658	E 04 C	2/38	127	B 65 B	63/08
34,35	A 47 K	3/16	127 2	E 04 G	21/04	309 1-309 9	E 04 C	1/00			1/00		E 04 C	5/00	128-132	B 65 B	61/00
36	A 47 B	5/00			21/26	310	E 04 B	1/16			1/16	660-676	E 04 C	2/42	133	B 65 B	61/18
	A 47 C	19/00	127 3,127 4	E 04 B	1/00			21/00			21/00			5/04	134-136	B 65 B	61/14
	A 47 G	29/02	127 5	E 04 B	1/38	311-316	B 44 F	7/00			7/00		E 04 F	15/06	137-139 3	B 65 B	61/00
	A 47 H	27/00	127 6,127 7	E 04 B	1/61			9/00			9/00			19/10	140	B 65 B	
37	A 47 L	3/00	127 8,127 9	E 04 B	2/82			1/00			1/00	677-689	E 04 C	5/16	141	B 65 B	47/02
	E 04 G	3/08	128-142	E 04 H	13/00	317	E 04 B	1/94			1/94	690-697	E 04 C	3/02			53/00
38,39	G 09 F	7/18	143	E 04 B	1/34	318	E 04 F	15/14			15/14			3/30			61/00
40	E 04 H	12/00		E 04 H	1/12	319	E 04 B	1/20			1/20		E 04 H	12/00	142-146	B 65 B	35/56
41-44	B 61 D	17/14	144,145	E 04 B	1/82			5/16			5/16	698-715	E 04 B	1/38	147	B 65 B	5/06
	E 04 D	13/12	146-152	E 04 H	12/20			5/18			5/18		E 04 C	5/00			21/06
45-56	B 61 D	17/12	153,154	E 04 H	12/20	320-322	E 04 B	5/00			5/00	716	E 04 C	2/38			35/30
		39/00			17/22			3/00			3/00	717 1,718 1	E 04 C	2/38	148	B 65 B	19/04
57	E 04 B	7/00	155-166	E 02 D	5/74	323-325	E 04 B	5/00			5/00		E 04 F	19/02			19/34
	E 04 D	1/30	167	E 02 D	27/34			3/30			3/30	719	E 04 C	5/16			35/30
		3/40		E 04 B	1/98	326-341	E 04 B	1/16			1/16	720,721	E 04 C	3/30	149-151	B 65 B	19/04
		13/00		E 04 H	9/02			1/20			1/20	722-725	E 04 C	3/34			35/30
58-62	E 04 D	1/36	168	E 04 B	1/92			5/18			5/18	726-740	E 04 C	3/30	152,153	B 65 B	35/30
		3/38	169 1,169 11	E 02 D		342,343	E 04 F	13/04			13/04	741-748	E 04 B	1/00	154-157	B 65 B	35/54
		13/14	169 12	B 60 R	27/00	344-363	E 04 B	9/00			9/00		E 04 G	21/00	158	B 65 B	35/30
63	E 04 B	1/12		E 02 D				13/04			13/04			23/00	167	B 65 B	17/00
	E 04 H	15/00	169 13	E 02 D	27/42	364-366	E 04 C	3/16			3/16	749	E 04 D	15/00			55/00
		15/18	169 14	E 02 D	19/00			13/06			13/06		E 04 F	21/00			61/00
64-72	E 04 B	1/346	169 2-169 4	E 02 D		367-375	E 04 B	2/00			2/00		E 04 G	21/14			65/08
		7/16	169 5	E 02 D	19/00	376,377	E 04 B	5/00			5/00	750	E 04 B	1/00	168	B 65 B	
73-78	E 04 B	1/34	169 6-169 9	E 02 D	27/00	378-383	E 04 B	1/16			1/16	761-763	E 04 B	2/00	169	B 65 B	19/18
		7/16	170	E 02 D	27/42	384-392	E 04 F	13/08			13/08	764-774	E 04 B	1/61			43/40
79.1-79.9	E 04 H	1/00	171,172	E 06 B	7/12	393-403	E 04 B	1/62			1/62	775	E 04 B	1/61	170-176	B 65 B	41/18
		3/00	173	E 04 H	14/00			15/14			15/14		E 04 C	2/34	201,202	B 65 B	

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 53—Con.			329-331	B 65 B	7/28	433,434	B 65 B	31/04	483	B 65 B	7/12	539	B 65 B	35/50
203	B 65 B	11/00	331.5	B 65 B	7/28	435	A 21 C	15/04	484	B 21 D	51/26	540,541	B 65 B	35/30
		19/22		B 67 B	1/06		B 65 B	63/00		B 65 B	7/16		B 65 B	35/50
		21/24	332,333	B 65 B	7/28	436	B 65 B	1/24		B 67 B	1/00	542,543	B 65 B	35/30
		25/18		B 67 B				13/20			5/00	544	B 65 B	35/30
		49/00	334-336	B 65 B	7/28			63/02	485	B 65 B	7/28		B 65 B	35/56
204	B 65 B	11/00		B 67 B	3/10	437	B 65 B	1/22		B 67 B	1/00	545-547	B 65 B	9/00
	B 65 H	49/00	337	B 65 B	7/28	438,439	B 65 B	1/24			5/00		B 65 B	51/26
		81/00		B 65 D	45/00			63/02			7/28	548,549	B 65 B	9/12
205	B 65 B	11/00	338-365	B 65 B	7/28	440	B 65 B	55/14	486	B 65 B	7/28		B 65 B	51/30
		49/00		B 67 B	3/10			63/08		B 67 B	1/00	550,551	B 65 B	9/06
206	B 65 B	11/48	366-369	B 65 B	7/28	441	B 65 B	53/00			3/00	552	B 65 B	9/06
		49/00		B 67 B		442	B 65 B	53/02	487	B 65 B	7/28		B 65 B	9/12
207-210	B 65 B	11/00	370	B 65 B	7/12	443	B 65 B	21/06		B 67 B	3/04	553-555	B 65 B	9/02
		49/00			51/00	444	B 65 B	35/30	488	B 65 B	7/28	556	B 65 B	53/00
211-217	B 65 B	11/04	371,372	B 65 B	7/06			19/04		B 67 B	3/18	557	B 65 B	53/02
		21/26	373	B 65 B	7/06	445	B 65 B	19/34	489	B 65 B	7/28	558	B 65 B	1/02
		49/00			51/10			35/30		B 67 B	1/04			1/04
218,219	B 65 B	11/02			51/32			61/20	490	B 65 B	7/28			3/02
		45/00	374	B 65 B	7/20	446	B 65 B	35/56		B 67 B	1/06			3/04
		49/00	375	B 65 B	7/20	447	B 65 B	35/50			3/20			5/00
220-224	B 65 B	11/06			51/10	448	B 65 B	35/30	491	B 65 B	7/20	559-561	B 65 B	47/00
		49/00			51/32	449	B 65 B	11/58	492	B 65 B	43/26	562	B 65 B	43/02
225	B 65 B	11/28	376,377	B 65 B	7/26	450,451	B 65 B	9/00			43/38			43/04
		49/00	378	B 65 B	7/04	452	B 65 B	3/02		B 67 B	7/00	563	B 65 B	1/02
226	B 65 B	11/06			7/18			5/02	493	B 65 B	1/30			3/02
		49/00	379	B 65 B	7/04			43/00			3/26			5/02
		11/14			7/18	453,454	B 65 B	47/00	494	B 65 B	57/00	564,565	B 65 B	43/08
		11/24			51/10	455	B 65 B	1/30			43/04		B 65 B	43/26
		11/34			51/32	456	B 65 B	43/08			3/26	566	B 65 B	43/24
		11/44	380	B 65 B	7/04	457	B 65 B	43/12			19/32	567	B 65 B	9/10
228-233	B 65 B	11/06	381	B 65 B	43/26	458	B 65 B	3/02			57/10	568	B 65 B	9/06
		49/00		B 67 B	7/16			5/02	495-497	B 65 B	1/30	569,570	B 65 B	43/26
234	B 65 B	11/28	382	B 65 B	43/38	459	B 65 B	9/00			3/26	571-573	B 65 B	43/14
		49/00	383,384	B 65 B	13/32			43/26	498-500	B 65 B	1/30	574	B 65 B	43/42
235	B 65 B	1/04			43/26	460	B 65 B	11/48			3/26			43/54
		3/04			51/02	461,462	B 65 B	11/00			57/10	575	B 65 B	9/10
		5/00	385,386	B 65 B	43/36			49/00			57/20			43/42
		39/00	387,388	B 65 B	51/00	463	B 65 B	51/10	501	B 65 B	1/30	576,577	B 65 B	43/42
236	B 65 B	1/04	389	B 65 B	41/00	464	B 65 B	11/00			3/26	578,579	B 65 B	47/00
		3/04	390-392	B 65 B	67/00			47/00			57/20	580	B 65 B	11/00
		5/00	393	B 65 B	65/00	465	B 65 B	49/00	502	B 65 B	1/32			13/00
		19/00	394,395	C 06 F	5/00	466	B 65 B	11/00			3/28	581	B 65 B	27/00
		39/00	396	B 65 B		467	B 65 B	1/04	503	B 65 B	1/36	582	B 65 B	15/00
237-243	B 65 B	1/04	397	B 65 B	11/00			3/04			3/30	583	B 65 B	11/00
		3/04			13/00			5/00	504	B 65 B	1/30	584	B 65 B	51/08
		5/00			15/00			7/00			3/26	585	B 65 B	19/26
		39/00			27/00			7/00	505,506	B 65 B	1/30	586	B 65 B	11/00
244,245	B 65 B	1/04	398	B 65 B	21/00	468	B 65 B	7/00			3/26			13/00
		3/04	399	B 65 B	13/02			43/26			57/02			27/00
		5/10	400-402	B 65 B	29/00			7/00	507	B 65 B	57/00	587	B 65 B	11/56
		39/00	403	B 65 B	31/00	469	B 67 B	1/04			65/08			13/00
246	B 65 B	1/04		B 67 B	3/24			3/04		B 67 B	3/26			27/00
		3/04	404-408	B 65 B	31/00			5/00		G 08 B		588	B 65 B	11/00
		5/04	409	B 65 B	11/00			7/00	508	B 65 B	57/18			13/00
		39/00			25/24			7/00		B 67 B	3/26			27/00
247-263	B 65 B	1/04		B 65 H	81/00	470	B 65 B	31/00		G 08 B		589	B 65 B	13/04
		3/04	410	B 65 B	61/00			7/28	509	B 65 B	11/52	590	B 65 B	11/00
		5/00	411	B 65 B	61/02	471	B 65 B	1/00	510	B 65 B	31/00			13/14
		39/00	412	B 65 B	61/18			3/00			55/00			27/00
264,265	B 65 B	7/28	413	B 65 B	29/04			3/28	511,512	B 65 B	31/00	591	B 65 B	11/00
266-284	B 65 B	1/00			61/14			5/00		B 65 B	63/00			13/00
		3/00	414	B 65 B	51/08	472	B 65 B	23/00	513-515	B 65 B	15/04			27/00
		5/00	415	B 65 B	61/00	473	B 65 B	1/04		A 21 C	63/00	592	B 65 B	67/08
285,286	B 65 B	7/00	416	B 65 B	51/08			3/04	517	A 22 C	63/00	593	B 65 B	25/14
287-289	B 65 B	7/28	417	B 65 B	51/00			5/00		B 65 B				27/08
	B 67 B		418	B 65 B	51/07			3/04	518,519	A 23 C	63/00	594	B 65 B	11/00
290-295	B 65 B	7/28	419	B 65 B	51/06	474	B 65 B	59/00		B 65 B	63/00	900	B 65 B	43/00
	B 67 B	1/03	420-424	B 65 B	61/00			61/20	520-522	B 65 B	1/20			43/42
296-298	B 65 B	7/28	425	B 65 B	55/02	475	B 65 B	3/24	523	B 65 B	63/02			61/00
	B 67 B	3/02	426	B 65 B	55/04			5/10			1/24			
		3/04		B 67 B	1/03			7/00	524	B 65 B	63/02			
299-305	B 65 B	7/28	427	B 65 B	11/52	476	B 65 B	1/00			1/22			
	B 67 B		428	A 21 D				3/00	525	B 65 B	1/24	U.S. Class 54		
306-312	B 65 B	7/28		A 22 C				5/00	526	B 65 B	61/24	HARNESS		
	B 67 B	3/06		B 65 B	1/20	477,478	B 65 B	51/10			63/02	1,2	B 68 B	1/00
313-316	B 65 B	7/28			13/20	479	B 65 B	7/02			63/02	3	B 68 B	3/02
	B 67 B	3/28			31/00			7/14	527,528	B 65 B	63/02	4	B 68 B	1/00
317,318	B 65 B	7/28			55/00			51/10			1/24	5	B 68 B	3/18
	B 67 B	1/06			63/00			7/04	529,530	B 65 B	13/20	6	B 68 B	1/04
		3/20	429,430	B 65 B	63/04	480	B 65 B	7/06			63/02	7-9	B 68 B	1/06
319-328	B 65 D	45/00	431	B 65 B	55/18	481	B 65 B	7/08			35/30			
	B 67 B	1/04			55/22	482	B 65 B	7/10	531-538	B 65 B				
		5/02	432	B 65 B	31/02									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 54—Con.			17	B 01 D	57/00			57/00			47/00			47/00
10,11	B 68 B	1/10	18-21	B 01 D				59/00			53/00			49/00
12-14	B 68 B	1/12	22	B 01 D	47/00	74-76	B 01 D	53/02	178	B 01 D	19/02			50/00
15	B 68 B	1/04	23,24	B 01 D	51/00	77-79	B 01 D	53/06	179-181	B 01 D	53/00			51/00
16,17	B 68 B	1/08	25-28	B 01 D	51/00	80	B 01 D	47/00	182	B 01 D	19/02			53/00
		1/00			53/00			49/00	183-188	B 01 D	19/00			57/00
		1/04	29-33	B 01 D	53/02			50/00	189-195	B 01 D	19/00			59/00
18,19	B 68 B	3/04			53/14			51/00			39/00	289	B 01 D	50/00
20	B 68 B	3/14	34	B 01 D	53/06			53/22			41/00	290	B 01 D	46/38
21	B 68 B	3/12	35	B 01 D	53/02			53/28			45/00	291-305	B 01 D	41/00
22	B 68 B	5/04	36-56	B 01 D	53/14			57/00			46/00			45/18
23	B 68 C	1/00			19/00			59/10			47/00			46/04
24	B 68 B	1/02	57,58	B 01 D	51/06	81	B 01 D	53/26			49/00	306	B 01 D	39/00
25-29	B 68 B	3/04	59	B 01 D	53/00			59/16			50/00			46/00
30-33	B 68 B	5/02	60,61	B 01 D	53/08	82	B 01 D	59/08			51/00			46/48
34,35	B 68 B	1/00			53/14	83	B 01 D	47/00			53/00			1/14
		5/00			53/00			50/00			57/00	307,308	B 01 D	39/00
36	B 68 B	1/00	62	B 01 D	53/00			57/00	196	B 01 D	19/00			46/00
		1/04	63	B 01 D	19/00	84-87	B 01 D	47/00	197	B 01 D	15/08	309-314	B 01 D	46/42
37-44	B 68 C	1/00			39/00			47/05			19/00			46/44
45	B 68 C	1/06			41/00	88	B 01 D	47/00	198	B 01 D	19/00			46/46
46	B 68 C	1/20			43/00			5/00			47/02	315-337	B 01 D	50/00
47-49.5	B 68 C	3/00			45/00	89-93	B 01 D	47/00			47/04			59/50
50,51	B 68 B	1/00			46/00	94	B 01 D	47/06	199-207	B 01 D	47/00	338-340	B 01 D	9/00
52,53	B 68 B	3/20			47/00	95	B 01 D	47/02			53/22			39/00
54-56	B 68 B	3/22			49/00	96	B 01 D	46/04			53/24			41/00
57-64	B 68 B	1/00			50/00	97	B 01 D	46/08			53/26			45/00
65	B 68 B	3/08			53/00			47/00			53/28			46/00
		3/10			57/00			49/00			57/00			47/00
		3/16			59/00			50/00	208	B 01 D	19/00			49/00
66	B 68 B	1/12						51/00			53/26			50/00
		3/08	64,65	B 01 D	19/00			53/00			53/28			51/00
		3/10	66	B 01 D	53/00			57/00	209	B 01 D	53/22			53/00
		3/16			23/00	98	B 01 D	53/30			59/16			57/00
67	B 68 B	3/08	67	B 01 D	15/08	99	B 01 D	46/32	210-219	B 01 D	19/00			59/50
		3/10	68	B 01 D	19/00	100	B 03 C	1/00			39/00	341.1-341.7	B 01 D	46/02
		3/16			39/00	101	B 03 C	1/00			41/00			45/00
68	B 68 B	3/08			41/00			9/00			45/00	345-349	B 01 D	45/12
		3/10			43/00	102	B 03 C	3/38			46/00	350	B 01 D	50/00
		3/16			45/00	103	B 03 C	3/30			47/00			53/00
		5/00			46/00	104-106	B 03 C	3/66			49/00	351-354	B 01 D	46/18
69	B 68 B	5/08			47/00			3/72			50/00			46/20
70	B 68 B	1/00			49/00	107	B 03 C	3/00			51/00			46/22
		5/00			50/00			5/00			53/00			53/06
71,72	B 68 B	1/00			51/00			9/00			57/00	355-360	B 01 D	9/00
73	B 68 B	1/04			53/00	108-111	B 03 C	3/16			59/00			39/00
74	B 68 B	5/00			57/00			3/74	220-234	B 01 D	47/00			41/00
75,76	B 68 B	1/00			59/00			3/88	235-239	B 01 D	47/10			45/00
		5/06	69	B 01 D	19/00	112	B 03 C	3/76	240,241	B 01 D	19/00			46/00
77	B 68 B				39/00	113-116	B 03 C	3/10			47/00			47/00
78	B 68 B	1/00			41/00			3/12			49/00			49/00
		5/04			43/00			3/16			53/22			50/00
79-82	B 68 C	5/00			45/00			3/74			57/00			51/00
83	A 43 C	17/00			46/00	117-121	B 03 C	3/74	242,243	B 01 D	45/18			53/00
84	B 68 B	9/00			47/00	122	B 03 C	3/16			46/04			57/00
85	B 68 B	1/02			49/00			3/36			47/00			59/00
		5/00			50/00			9/00	244-256	B 01 D	19/00	361-382	B 01 D	46/02
87	B 68 B	5/00			51/00	123	B 03 C	3/00			47/02			46/06
					57/00			3/38	257.1-259	B 01 D	47/00			46/08
					59/00			9/00			50/00	383	B 01 D	19/00
						124-126	B 03 C	3/01	260	B 01 D	47/00			45/00
			70	B 01 D	19/00	127	B 03 C	3/14	261-266	B 01 D	50/00			46/42
					39/00	128-133	B 03 C	3/14			51/00			47/00
					41/00			3/00	267-269	B 01 D	51/00			50/00
					43/00			3/36			53/26			53/24
					45/00	134,135	B 03 C	3/01			53/28			59/10
					46/00	136-138	B 03 C	3/00	270	B 01 D	53/30			59/20
					47/00			9/00	271-276	B 01 D	19/00	384	B 01 D	53/02
					49/00	139	B 03 C	3/02			39/00			53/14
					50/00	140-149	B 03 C	3/04			41/00	385.1-385.8	B 01 D	50/00
					51/00			3/40			45/00			59/50
					53/00	150-153	B 03 C	3/40			46/00	386	B 01 D	53/00
					57/00	154-157	B 03 C	3/02			47/00			57/00
					59/00			3/45			49/00			59/00
					1/00	158	B 01 D	53/22			50/00	387-390	B 01 D	39/00
			71-73	B 01 D	19/00			59/10			51/00			46/30
					39/00			71/00			53/00			53/06
					41/00	159	B 01 D	19/00			57/00			53/14
					43/00			53/00			59/00			59/22
					45/00	160	B 01 D	19/00	277	B 01 D	51/08			59/28
					46/00			53/30	278	B 01 D	53/00			59/33
					47/00	161-163	B 01 D	47/00	279-288	B 01 D	19/00	391	B 01 D	39/00
12,13	B 03 C	3/74			49/00			53/00			39/00			45/00
14	B 03 C	3/10			50/00	164-170	B 01 D	19/00			41/00			46/00
15	B 01 D	51/08			51/00			53/00			45/00			47/00
16	B 01 D	59/10			53/00	171-177	B 01 D	19/00			46/00			49/00
U.S. Class 55														
GAS SEPARATION														
1	B 01 D													
2	B 03 C													
3	B 03 C	1/00												
4	B 03 C	1/00												
		3/36												
		3/72												
		9/00												
5	B 03 C													
6-9	B 01 D	53/00												
	B 03 C													
10	B 03 C	1/00												
		3/01												
		5/00												
		9/00												
11	B 03 C	1/00												
		3/00												
		9/00												
12,13	B 03 C	3/74												
14	B 03 C	3/10												
15	B 01 D	51/08												
16	B 01 D	59/10												

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 55—Con.																							
		50/00			49/00	10.1	A 01 D	34/03	153-162	A 01 D	43/00				296,297	A 01 D	34/73						
		51/00			50/00			34/43	163-180	A 01 D	43/02				298	A 01 D	34/13						
		53/00			51/00	10.2	A 01 D	34/64	181-191	A 01 D	43/00						34/18						
		57/00			57/00	10.3,10.4	A 01 D	75/28	192	A 01 D	43/00						34/13						
		59/00			59/00	10.5	A 01 D	75/28			57/26				299-306	A 01 D	34/40						
397-399	B 01 D	19/00	474	B 01 D	46/32	10.6,10.7	A 01 D	34/03			57/28				307-313	A 01 D	34/14						
		45/00			53/06			34/43	193	A 01 D	43/02						34/18						
		46/00			53/14			34/64	194-200	A 01 D	34/12						34/20						
		47/00			59/20			69/00			34/13				314-320	A 01 D	63/00						
		49/00			59/22			69/06			34/48						65/00						
		50/00			45/00			69/10			34/52				320.1,320.2	A 01 D	67/00						
		53/00			46/00			69/00			34/70				321	A 01 D	75/28						
		57/00			47/00			69/08			34/73				322	A 01 D	73/00						
		59/00			49/00			69/00			43/00				323	A 01 D	67/04						
400-409	B 01 D	45/00			51/00			75/10	201	A 01 D	34/08				324	A 01 D	1/14						
		46/18			57/00			69/00			34/46				324.5	A 01 D	1/08						
		46/30			53/00			69/12			34/67				327.1,327.2	A 01 D	45/00						
		47/00			59/00			46/08	202	A 01 D	34/12				328.1	A 01 D	46/00						
		50/00			45/00			34/30			34/48				329	A 01 D	46/22						
		53/06			46/00			34/56			34/70				330,331	A 01 D	46/24						
		53/24			47/00			34/76			43/00				332-340	A 01 D	46/00						
		59/20			49/00			34/00	203-206	A 01 D	34/00				340.1	A 01 D	46/00						
		45/00			53/00			55/00			34/12				341-343	A 01 D	39/00						
410-417	B 01 D	46/00			57/00			46/00			34/48						43/02						
		47/00			59/00			87/10			34/70				344	A 01 D	43/02						
		49/00			47/00			46/00			43/00						87/00						
		50/00			46/28			87/10	207	A 01 D	43/00				345-360	A 01 D	43/02						
		53/00			13.3,13.4			34/03	208	A 01 D	67/00						87/04						
		57/00			13.5-13.9			34/44	209	A 01 D	67/00				361	A 01 D	43/02						
		59/00			47/00			34/66			75/28						87/00						
		59/00			49/00			45/02	210-217	A 01 D	67/00				362,363	A 01 D	43/02						
418-420	B 01 D	51/00			50/00			34/00	218	A 01 D	73/00						43/02						
421	B 01 D	47/00			53/00			34/03	219,220	A 01 D	57/00				364	A 01 D	43/02						
422	B 01 D	41/00			57/00			34/43	221-225	A 01 D	57/04						89/00						
		45/18			59/50			34/64	226,227	A 01 D	57/02				365-400	A 01 D	76/00						
		46/42			50/00			34/24	228	A 01 B	73/00						18/00						
		47/00			59/50			34/42	229,230	A 01 D	55/00						80/00						
423	B 01 D	45/00			39/00			34/63	231	A 01 D	34/53						84/00						
		46/00			46/00			34/26	232	A 01 D	34/02				400.01-400.19	A 01 D	7/00						
		47/00			47/00			34/03	233,234	A 01 D	55/00				400.2	A 01 D	7/06						
		49/00			53/00			34/36	235	A 01 D	34/52				400.21	A 01 D	7/00						
		50/00			39/08			34/43			34/73				401-431	A 01 D	75/06						
		51/00			39/10			34/57	236	A 01 D	34/13						76/00						
		53/00			39/14			34/64	237,238	A 01 D	55/00						78/00						
		57/00			46/10			34/77	239-243	A 01 D	34/08						80/00						
		59/00			46/18			34/03			34/13						84/00						
424-427	B 01 D	41/00			46/40			34/43			34/46				432-473	A 01 D	39/00						
		45/00			46/52			34/64			34/52						43/00						
		46/00			46/54			57/14			34/67				473.5	A 01 D	75/00						
		47/00			39/02			34/00			34/73				474-480	A 01 D	75/04						
		49/00			46/30			61/00	244,245	A 01 D	34/83				500-505	A 01 D	49/00						
		50/00			46/10			34/03	246-248	A 01 D	34/00												
		51/00			46/24			34/43	249	A 01 D	34/53												
		53/00			39/08			34/64	249.5	A 01 D	55/00												
		57/00			39/10			19/00	250	A 01 D	75/08												
		59/00			39/14			34/03	251,252	A 01 D	55/00												
428-433	B 01 D	41/00			46/10			34/43	253	A 01 D	34/42												
		45/18			46/40			34/64			55/00												
		46/04			46/52			45/16	254	A 01 D	34/42				1	D 01 H							
		46/42			24/00			46/08	255,256	A 01 D	34/52				2	D 01 H	4/00						
		47/00			39/00			46/08			34/73				2.3,2.5	D 01 H							
		53/00			39/06			50/00	257-263	A 01 D	34/02				3-19	D 02 G	3/36						
		59/00			39/20			46/08			34/30				20-22	D 01 H							
434-446	B 01 D	45/00			24/00			46/12	264	A 01 D	34/13				23	D 01 H	17/00						
447-458	B 01 D	45/12			39/14			46/14			34/36				24	D 02 G	3/42						
	B 04 C				24/00			46/16	265	A 01 D	34/57				25-27	D 01 H							
459.1-459.5	B 01 D	45/12			39/08			46/14			34/77				28	D 02 G	3/14						
460	B 04 C	5/04			51-61			45/02			34/13				29	D 02 G	1/00						
461	B 01 D	45/12			39/10			45/02	266-272	A 01 D	34/24				30	D 02 G	3/14						
	B 04 C				62			45/10			34/30				31	D 02 G	3/06						
	B 01 D	45/08			39/14			45/02	274	A 01 D	34/13				32	D 02 G	3/08						
462-465	B 01 D	19/00			24/00			23/02	275	A 01 D	34/13				33	D 02 G	3/22						
466	B 01 D	41/00			39/04			41/00	276-287	A 01 D	34/24				58.3-58.38	D 01 H	7/90						
		45/00			126-130			41/08			34/28				58.49-58.86	D 01 H	1/10						
		46/00			46/00			45/22	288	A 01 D	34/13						7/86						
		47/00						45/24	289	A 01 D	34/40				59-65		7/02						
		49/00						37/00			55/00						3/02						
		50/00						37/06	290-292	A 01 D	34/83				66	D 01 H	1/00						
		53/00						37/00	293	A 01 D	34/13				66.5	D 07 B	3/08						
		57/00						37/04			55/00				67-71	D 01 H	1/04						
		59/00						37/00			34/52						7/24						
467-473	B 01 D	19/00						37/02	294	A 01 D	34/53				72,73	D 01 H	1/00						
		45/00			1-5			37/00			34/52				74 -	D 01 H	7/66						
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CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 57—Con.												U.S. Class 59		
												CHAIN, STAPLE AND HORSESHOE MAKING		
75	D 01 H	7/52	230	D 02 G	3/36	280	D 02 G	13/14	310	D 02 G	13/26	1	B 21 L	
76,77	D 01 H	1/08			3/06		D 01 H	3/02			13/30	2	B 21 L	11/12
		7/74		D 07 B	3/36			5/00		D 02 G	3/02	3	B 21 L	5/02
78	D 01 H	13/14	231,232	D 02 G	1/06			7/46			3/36	4	B 21 L	9/02
79	D 01 H	13/24	233	D 02 G	3/36		D 02 G	13/04		D 07 B	1/06	5,6	B 21 L	9/00
80-82	D 01 H	13/16			3/06	281	D 01 H	3/02		D 01 H	5/28	7	B 21 L	9/06
83-88	D 01 H	13/18			3/08			9/10	311	D 02 G	13/26	8	B 21 L	9/00
89	D 01 H	13/14	234	D 02 G	3/36			13/26		D 07 B	1/06	9	B 21 L	13/00
90,91	D 01 H	13/02	235	D 02 G	3/06		D 02 G	13/26	312	D 01 H	13/26	10-12	B 21 L	5/00
92-105	D 01 H	13/00			3/08	282	D 01 H	13/30			13/30	13-15	B 21 L	11/02
112	D 01 H	9/00			3/36			7/46		D 02 G	3/02	16-26	B 21 L	7/00
		13/00	236	D 01 H		283	D 02 G	7/92	313	D 01 H	5/28	27	B 21 L	1/02
113	D 01 H	7/44		D 02 G	3/02		D 01 H	13/26			7/92			9/04
		13/00	237-242	D 02 G	3/02			13/26			13/26	28	B 21 L	11/02
114	D 01 H	13/08			3/36			3/02			13/26	29	B 21 L	1/04
115,116	D 01 H	7/24	243	D 02 G	3/02	284	D 02 G	3/02		D 02 G	3/02	30	B 21 L	15/00
117	D 01 H	7/32	244	D 02 G	3/02		D 01 H	5/00	314	D 01 H	13/26	31-34	B 21 L	3/04
		7/30			3/36			7/46		D 02 G	3/26			9/08
118	D 01 H	7/52	245	D 02 G	3/02			7/92		D 07 B	1/06	35,1	B 21 L	3/00
119	D 01 H	7/62	246	D 02 G	3/02		D 02 G	13/26	315	D 01 H	5/28			5/00
120	D 01 H	7/52			3/36	285	D 01 H	13/26			13/04			17/00
121	D 01 H	7/64	247	D 01 H	13/26		D 02 G	13/26			3/02	36-58	B 21 K	15/02
122-124	D 01 H	7/60		D 02 G	3/02	286	D 01 H	13/20		D 02 G	3/02	59-61	B 21 K	15/02
125,126	D 01 H	7/68	248	D 02 G	3/02			13/26	316	D 01 H	5/28	62	B 21 K	15/02
127	D 01 H	7/04	249,250	D 02 G	3/02		D 02 G	13/26	317	D 01 H	5/28	63,64	B 21 H	7/12
127,5,127,7	D 01 H	13/00			3/36			3/36		D 02 G	3/02	65	B 21 K	15/02
129	D 01 H	7/04	251	D 01 H	13/30		D 02 G	13/26	318	D 01 H	5/28	66-69	B 21 K	15/04
		13/00		D 02 G	3/02	287	D 01 H	13/26	319	D 01 H	3/00	70	B 21 K	15/00
130	D 01 H	7/04			3/06			7/46	320	D 01 H	3/04	71-75	B 21 G	7/02
131	D 01 H	7/18		D 02 G	3/02		D 02 G	3/02			3/26	76	B 21 G	7/02
132	D 01 H	7/14	252-254	D 02 G	3/02		D 01 H	13/26		D 02 G	3/00			
133,134	D 01 H	7/20	255	D 02 G	3/02			3/02	321	D 01 H	3/00	77	B 21 G	7/02
135	D 01 H	7/08			3/36		D 02 G	3/02		D 01 H	3/16	78-83	F 16 G	13/00
136	D 01 H	7/40			3/02		D 01 H	7/46		D 01 H	3/12	84-92	F 16 G	13/08
137	D 01 H	7/64	256	D 02 G	3/02			7/92		D 01 H	3/14			
138	D 01 H	13/04	257,258	D 02 G	3/02			13/26	322,323	D 01 H	15/00	93	F 16 G	15/00
200	D 02 G	3/02			3/06			3/02	324,325	D 01 H	7/46	95	F 16 G	13/10
		3/36	259,260	D 02 G	3/02		D 02 G	3/02	326	D 01 H	13/26			
201,202	D 02 G	3/36			3/08	291	D 01 H	13/26	327	D 01 H	7/92			
203	D 02 G	3/42			3/36	292	D 01 H	13/30			7/92			
		13/26	261	D 01 H	11/00		D 02 G	3/02		D 02 G	5/00			
204	D 01 H	13/26			13/04	293	D 01 H	5/00	328	D 01 H	5/28			
	D 02 G	3/02		D 02 G	13/26			7/46			7/46			
205,206	D 02 G	3/02	262	D 01 H	9/10			13/26			7/92	39,01,39,02	F 02 C	3/00
		3/36			13/26		D 02 G	3/02			13/26			
207	D 02 G	3/02	263	D 01 H	7/46	294	D 01 H	13/26		D 02 G	5/00	39,03	F 02 G	9/00
		3/06		D 02 G	7/92			13/30	329,330	D 01 H	5/00		F 02 G	3/00
208	D 01 H	13/26	264	D 01 H	13/26		D 02 G	13/26	331	D 01 H	7/46	39,04	F 02 C	6/00
	D 02 G	3/36			7/92	295,296	D 01 H	13/26			7/92		F 02 C	3/00
209,210	D 02 G	3/02		D 02 G	3/02			13/30			13/26	39,05	F 02 G	3/00
		3/36	265	D 01 H	7/46		D 02 G	3/02	332-349	D 01 H	1/24	39,06	F 02 C	7/26
211	D 02 G	3/06			7/92			3/36			7/46	39,07	F 02 C	3/00
		3/08			9/00	297	D 01 H	13/30			7/92		F 02 G	3/00
	D 07 B	1/06		D 02 G	9/10		D 02 G	3/02		D 02 G	1/02	39,08	F 02 C	7/06
212,213	D 02 G	3/36			11/00			3/36			1/04		F 02 G	3/00
214	D 02 G	3/36			13/26	298	D 01 H	13/30			1/06	39,091-39,094	F 02 G	3/00
	D 07 B	1/06	266	D 01 H	9/00		D 02 G	3/36			1/08	39,1	F 02 G	3/00
215	D 02 G	3/36			9/14			11/00	350,351	D 01 H	13/26	39,11	F 16 P	7/00
216	D 02 G	3/36		D 02 G	9/00	300-302	D 01 H	11/00		D 02 G	3/02		F 02 G	3/00
217	D 02 G	1/06	267	D 01 H	9/10	303	D 01 H	11/00		B 65 H	57/00	39,12	F 02 G	43/00
	D 07 B	1/06			9/14			13/26	352-361		57/08	39,13	F 02 C	3/00
218,219	D 07 B	1/06	268	D 01 H	9/10		D 02 G	11/00			57/16		F 02 G	3/00
220,221	D 02 G	3/36			9/10	304	D 01 H	13/26		D 01 H	1/42	39,141,39,142	F 02 C	7/26
	D 07 B	1/06	269	D 01 H	9/10	305		11/00			7/18		F 02 G	3/00
222	D 02 G	3/06		D 02 G	9/10			13/26			13/04	39,15	F 02 C	6/00
		3/08			9/10	306	D 01 H	9/00			13/08		F 02 G	1/00
	D 07 B	1/06	270-272	D 02 G	9/10			9/14		D 02 G	13/12	39,161-39,163	F 02 C	3/10
223	D 02 G	3/36	273	D 01 H	9/00			11/00			1/02			6/00
	D 07 B	1/06			9/14	307	D 01 H	11/00			1/08		F 02 G	1/00
224	D 02 G	3/02		D 01 H	9/00	308		13/26	362	D 02 G	3/02			3/00
		3/06	274,275	D 01 H	9/14			13/30	400-417	D 01 H	4/00	39,17	F 02 C	1/06
		3/36	276	D 01 H	5/28		D 02 G	3/02						6/00
225-228	D 02 G	3/02			9/00			5/28				39,181-39,183	F 02 C	6/00
		3/06	277,278	D 01 H	9/14			13/26						
229	D 02 G	3/02	279	D 01 H	5/28	309	D 01 H	5/28						
		3/06			9/00									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 60—Con.			39 828	F 02 C	7/262	261	F 02 K	3/10	562	B 60 T	11/20	659	F 01 K	1/00
					7/266	262	F 02 K	1/38	563	B 60 T	13/58			3/00
	F 02 G	1/00		F 02 G	1/00			1/46	564	B 60 T	11/34	660	F 01 K	13/02
39 19	F 02 C	1/00	39 83	F 02 C	7/12	263	F 02 K	3/10	565,566	B 60 T	17/00	661	F 01 K	9/00
	F 02 G	1/00	200.1	F 02 G	1/00			3/12	567,568	B 60 T	7/00	662	F 01 K	7/06
		3/00			3/00	264	F 02 K	3/04	569	B 60 T	17/16	663	F 01 K	7/22
39 2-39 3	F 02 C	9/00		F 02 K		265	F 02 K		570,571	F 15 B	7/00	664	F 01 K	11/00
	F 02 G	3/00		F 02 K		266,267	F 02 K	11/00	572,573	F 15 B	7/10	665	F 22 D	
39 31,39 32	F 02 C	7/20	201	F 02 H		268,269	F 02 K	3/00	574-578	B 60 T	11/08	666	F 01 K	7/42
	F 02 G	3/00	202	H 05 H	1/00	270 1	F 02 K	7/08		F 15 B	7/04	667	F 22 D	
39 33	F 02 G	1/00	203.1	G 21 D				7/10	579	F 15 B	3/00	668	F 01 K	15/00
		3/00		H 05 B		271	F 02 K	1/00			7/08	669	F 01 K	11/00
39 34	F 02 C	3/14	204	B 63 H	11/00	272,273	F 01 N		580	B 60 T	11/24	670	F 01 K	25/00
		5/02		B 64 G	9/00	274-276	F 01 N	3/00	581	F 15 B	7/00	671	F 01 K	25/10
39 35	F 02 C	3/14		F 02 K		277	F 01 N	3/00	582	B 60 T	11/32	672	F 01 K	25/06
39 36	F 02 C	3/06		F 03 H				7/00			17/18	673	F 01 K	21/04
		3/08		F 23 R		278,279	F 02 M	25/06	583	F 15 B	7/00	674	F 01 K	7/00
39 37	F 02 C	3/00	205-208	C 06 D	5/00	280	F 01 N	5/04	584	B 60 T	11/30	675	F 01 K	13/00
39 38	F 02 C	5/02		F 02 K		281	F 01 N	5/00		F 15 B	7/10	676	F 01 K	13/00
39 39	F 02 C	5/12		F 23 R		282-298	F 01 N	3/10	585-588	B 60 T	11/26	677	F 01 K	17/00
39 4	F 02 C	5/02	209,210	C 06 D	5/00	299-308	F 01 N	3/02		F 15 B	7/08	678	F 01 K	7/34
39 41	F 02 C	7/00		F 02 K		309	F 01 N	3/04	589	B 60 T	11/28	679,680	F 01 K	7/22
39 42	F 02 C	3/00	211	C 06 D	5/00	310	F 01 N	7/12		F 15 B	7/08	681	F 01 K	19/00
		5/00		F 02 K				3/02	590	F 16 D	65/74	682-684	F 01 K	25/02
39 43	F 02 C	3/04		F 23 R		311	F 01 N	27/02	591	F 15 B	7/00		F 02 C	1/04
39 44	F 02 C	3/00	212-216	C 06 D	5/00	312-314	F 02 B	35/00	592	F 15 B	7/10	685	F 01 B	31/16
		5/00		F 02 K		315,316	F 01 N	3/02	593	F 15 B	15/18		F 01 K	9/00
39 45	F 02 C	3/02	217	C 06 D	5/00	317,318	F 01 N	5/04	594	B 60 T	7/02			17/00
	F 02 G	1/00		F 02 K		319	F 01 N	3/02		F 15 B	7/08		F 28 B	
		3/00		F 23 R		320	F 01 N	5/02	595	F 02 B	71/04	686	F 01 K	17/00
39 461-39 463	F 02 C	3/20	218	C 06 D	5/04	321	F 01 N	3/02	596	F 02 B	71/02		F 22 D	5/00
	F 02 G	1/00		F 02 K				7/06	597	F 02 G	33/44	687	F 28 B	11/00
39 464	F 02 C	3/26	219,220	C 06 D	5/00	322	F 01 N	7/00	598	F 02 B	29/04		C 09 B	
	F 02 G	1/00		F 02 K		323	F 01 N	7/10	599	F 02 B	23/00		F 01 B	31/06
		3/00		F 23 R		324	F 01 N	7/00	600-603	F 02 D	23/06	688	F 28 B	19/10
39 465	F 02 C	3/22	221	B 63 H	11/00	325-329	F 16 D	31/00	604	F 01 K	23/14		F 01 K	3/00
	F 02 G	1/00	222	B 63 H	25/46			33/00		F 02 G	33/44	689	F 01 K	9/00
		3/00	223	F 02 K				37/00	605 1-612	F 02 B	3/00	690	F 01 K	17/00
39 47	F 02 C	3/26	224	F 02 K	3/00	330,331	F 16 D	33/00	613-617	F 02 G	3/00		F 02 B	1/00
	F 02 G	1/00			7/00	332	F 16 D	33/02	618	F 01 K	23/10	691	F 01 K	7/34
39 48	F 02 C	3/30			9/00	333-346	F 16 D	33/00	619-624	F 02 G	3/00		F 22 D	1/00
	F 02 G	1/00			9/76	347-350	F 16 D	33/02	625-631	F 02 N	9/00	692	F 01 K	9/02
		3/00			9/78	351	F 16 D	33/14	632-638	F 01 B	29/08		F 22 D	5/18
39 49,39 5	F 02 C	7/08			11/00	352-356	F 16 D	33/02	639	F 02 N	13/00			11/02
	F 02 G	1/00	225	F 02 K	9/00	357-360	F 16 D	33/06		F 03 B	7/00	693	F 28 B	7/00
		3/00			9/74	361-367	F 16 D	33/00	640	F 03 B	3/04	694	F 01 B	31/16
39 511	F 02 C	7/10			9/76	368	F 16 D	31/00	641.1	F 01 K	17/06			31/30
	F 02 G	1/00			9/78			35/00	641.11-641.15	F 03 G	27/00	695	F 01 B	31/00
		3/00			11/00			37/00		F 03 G	7/00	696	F 01 B	31/00
39 512	F 02 G	1/055	226 1-226.3	F 02 K	3/02	369-486	F 16 D	31/02		F 03 G	7/00	697	F 01 D	25/30
		1/057	227	B 63 H	11/12	487-493	F 16 D	31/02	641.2-641.4	F 01 K	27/00	698	F 01 B	21/04
		3/00		F 02 K		494	F 16 D	31/02	641.5	F 03 G	7/00		F 01 K	23/00
39 52	F 02 C	7/08	228	F 02 K	1/00	495-507	F 03 C		641.6,641.7	F 03 G	7/04	699	F 02 B	73/00
	F 02 G	1/00			1/54	508	F 01 B				7/06		F 01 B	21/04
		3/00	229,230	F 02 K	1/00		F 01 K		641.8	B 60 K	16/00	700-702	F 01 B	21/04
39 53-39 59	F 02 C	7/00	231	F 02 K	1/00		F 02 B			B 60 L	8/00		F 02 D	25/02
	F 02 G	1/00			1/28		F 01 K			F 03 G	6/00	703-706	F 01 B	21/04
39 6,39 62	F 02 C	3/00	232	F 02 K	1/00	509	F 01 K	3/00		F 03 G	6/00		F 02 B	25/00
	F 02 G	5/00	233	F 02 K	3/00			5/00	641.9	F 03 G	1/04	707	F 01 B	73/00
		1/00	234	F 02 K	9/00	510	F 02 B	3/00	642	F 01 K			F 02 B	21/04
39 63	F 02 C	3/00	235-239	F 02 K	1/16		F 02 G	1/00	643	F 01 K	5/00		F 02 D	25/00
	F 02 G	1/00			1/18	511	F 01 K	21/04	644.1	G 21 D	13/00	708	F 01 B	21/04
		3/00	240	F 02 K	3/10	512,513	F 01 B	29/00	645	F 01 K	13/02	709	F 02 B	73/00
39 64	F 02 C	5/00	241	F 02 K	1/18	514	F 01 K		646	F 01 K	21/06		F 02 D	25/04
	F 02 G	1/00	242	F 02 K	3/00	515	F 01 P			F 01 K	7/32		F 02 D	25/00
		3/00	243	F 02 K	3/00	516	F 01 B	29/08	647	F 01 K	17/00	710	F 02 D	25/00
39 75	F 02 C	3/00	244,245	F 02 K	7/00		F 01 K	25/00	648	F 01 K	25/06	711	F 01 B	21/04
		5/00			9/00	517-529	F 01 B	29/10	649	F 01 K	25/02		F 02 B	73/00
39 76	F 02 C	5/00	246	F 02 K	5/00		F 02 G	1/04	650	F 01 K	1/04		F 02 D	25/00
	F 02 G	1/00	247	F 02 K	5/02	530,531	F 03 C	5/00		F 02 C	1/00	712	F 01 B	29/04
		3/00			7/00	532	F 15 B	21/12	651	F 01 K	25/08	713	F 01 B	21/04
39 77-39 8	F 02 G	1/00	248	F 02 K	5/02	533	F 15 B	7/00	652	F 01 K	3/00		F 01 K	23/00
		3/00	249	F 02 K	7/02	534	B 60 T	17/22			13/02		F 02 B	73/00
39 81	F 02 C	9/00	250,251	F 02 K	9/28	535	F 15 B	7/00	653	F 01 K	7/34	714	F 02 D	25/00
	F 02 G	1/00	252	F 02 K	9/00	536-544	F 15 B	7/02	654	F 01 K	9/00	715	F 01 B	21/04
		3/00	253-256	F 02 K	9/00	545,546	F 15 B	7/00			19/10		F 02 B	73/00
39 821-39 826	F 02 C	7/264			9/08	547.1-547.3	B 60 T	13/00		F 01 K	23/04	716-720	F 01 B	21/04
	F 02 G	1/055			9/70	548	B 60 T	13/12		F 01 K	13/02		F 01 K	23/00
		3/00			9/72	549-559	B 60 T	13/20		F 01 B	31/00		F 02 B	73/00
39 827	F 02 C	7/266	257-260	F 02 K	9/00	560	F 15 B	7/00		F 01 D		721	F 01 K	
	F 02 G	1/00			9/42	561	B 60 T	11/06		F 01 K	19/00		F 02 B	
		3/00			9/72			11/24	658	F 01 K	7/24		F 03 H	

CONCORDANCE 1990—United States to International Patent Classification

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U.S. Class 60—Con.			54 1	F 17 C	5/00	191	F 25 B	1/06	347,348	F 25 C	1/00	U.S. Class 63		
722-724	F 02 C	1/00	54 2	F 17 C	7/00	192,193	F 25 B	31/00	349	F 25 C	5/08	JEWELRY		
725	F 02 C	3/00	54 3	F 17 C	9/02	194	F 25 B	43/00	350	F 25 C	1/24	1.1	A 44 C	13/00
726-734	F 02 C	7/24	55 5	B 01 D	8/00	195	F 25 B	43/04	351	F 25 C	5/08	2	A 44 C	25/00
	F 02 C	1/00	56	F 25 D		196 1-198	F 25 B	41/00	352	F 25 C	5/10	3	A 44 C	5/00
	F 02 G	3/00	57	F 25 D	17/00			49/00	353	F 25 C	1/00	4	A 44 C	5/02
735	F 02 C	3/16	59	F 25 D	3/00	199,200	F 25 B	5/00	354	F 25 C	1/14	5.1-6	A 44 C	5/04
736	F 02 C	7/08	60	B 65 B	63/08	201	F 25 D	17/02	356	F 25 C	1/04	7-11	A 44 C	5/00
737	F 02 C	1/00	61	B 60 H	1/32	202	G 05 D	23/30	371,372	F 25 D	3/08	12-14.8	A 44 C	7/00
	F 02 G	3/00	62	F 25 D	25/00	203	F 25 B	41/00	373-376	F 25 D	17/02	15-15.4	A 44 C	9/00
738	F 02 C	7/08	63	F 25 D	13/06	204,205	F 25 B	41/04	377,378	F 25 D	25/00			
739-760	F 02 C	1/00	64	F 25 D	17/02	206-214	F 25 B	41/00	379	F 25 D	3/02			
	F 02 G	3/00	65	F 25 D	13/04	215	F 25 B	1/00	380	F 25 D	25/04	15.45-15.65	A 44 C	9/02
900	F 02 D		66	F 25 C	1/00	216-225	F 25 B	41/04	381,382	F 25 D	25/02	15.7,15.8	A 44 C	9/00
901	F 01 C		67-70	F 25 C	1/18	226-230	F 25 B	1/00	383-385	F 25 D	3/12			
	F 02 B	55/00	71	F 25 C	5/02			49/00	386	B 67 D	5/62	18,19	A 44 C	15/00
			72	F 25 C	5/06	231	F 25 B	19/00	387,388	F 25 D	3/12	20	A 44 C	1/00
902	F 01 M	1/18	73	F 25 C	5/08	232	F 25 B	17/00	389-400	B 67 D	5/62	21,22	A 44 C	3/00
		3/00	74,75	F 25 C	1/00	233	F 25 C	1/00	401-403	F 25 D	9/00			
903	E 05 F	15/00	76	F 25 C	1/24	234	F 25 D	21/00	404	F 25 D	17/04			
904	B 64 C	9/00	77	F 25 B	45/00	235	A 63 C	19/10	405	F 25 D	17/08			
		13/00	78	F 24 F	3/16	235,1,236	F 25 B	27/00	406-410	F 25 D	17/04	23	A 44 C	25/00
905	B 65 H		79	F 25 B	7/00	237	F 25 D	15/00	411,412	F 25 D	17/06	24,25	A 44 C	19/00
906	F 01 B	25/06	80	F 25 D	21/00	238 1-238 7	F 25 B	27/00	413	F 25 D	17/04	26-31	A 44 C	17/02
	F 01 C	21/12	81	F 25 B	41/00	239	B 60 H	1/32	414	F 25 D	17/06	32	A 44 C	17/00
	F 01 D	17/06	82	F 25 D	21/12	240	B 63 B	25/26	415-418	F 25 D	17/04			
		21/02	83	F 25 B	43/00	241-244	B 60 H	1/32	419	F 25 D	17/06			
	F 02 B		84	F 25 B	43/02	245	B 60 P	3/20	420-425	F 25 D	3/02			
	F 02 C	9/00	85	F 25 B	47/00	246-257	A 47 F	3/04	426-429	F 25 D	17/06			
	F 02 D		86-88	F 25 B	9/00	258-263	F 25 D	23/12	430	F 25 D	11/00	U.S. Class 65		
	F 02 G		89-97	F 25 D	17/06	264	F 25 D	23/00	431,432	F 25 D	11/02	GLASS MANUFACTURING		
	F 02 K		98,99	F 25 D	17/02	265,266	F 25 D	23/02	433	F 25 D	11/04	1.2	C 03 B	37/00
	F 03 B	15/06	100	F 25 B	19/00	267	F 25 D	29/00	434-436	F 25 D	17/02	3.1-3.44	C 03 C	25/02
907	F 15 B		101-105	F 25 B	15/00	268-270	F 25 B	19/00	437	F 25 D	11/00	4.1-4.4	C 03 B	23/20
908	A 47 L	15/00	106	F 25 B	17/00	271	F 25 D	23/00	438,439	F 25 D	11/04	5-7	C 03 B	37/06
	B 05 C		107,108	F 25 B	15/00	272	F 25 D	21/00	440	F 25 D	11/00	8	C 03 B	37/08
	D 06 F		109	F 25 B	15/16	273,274	F 25 D	23/06	441	F 25 D	11/02			
909	F 02 K		110,111	F 25 B	15/10	275,276	F 25 D	21/06	442	F 25 D	13/02	9	C 03 B	23/20
917	F 02 K	7/08	112	F 25 B	15/00	277-280	F 25 B	47/00	443-447	F 25 D	11/02	10	C 03 B	29/00
		7/10	113	F 25 B	41/00	281	F 25 D	21/14	448	F 25 D	19/02	10.1	C 03 B	37/025
			114	F 25 B		282	F 25 D	21/10	449,450	F 25 D	19/00	10.2	C 03 B	37/01
			115,116	F 25 B	1/00	283	F 25 B	5/00	451	F 25 D	23/06	11.1	C 03 B	37/00
			117	F 25 B	5/00	284	F 25 D	21/06	452-456	F 25 D	19/00			
			118	F 25 D	17/02	285-291	F 25 D	21/14	457 1-457 8	F 25 D	3/08			
			119	F 25 D	15/00	292	F 25 B	45/00	459-464	F 17 C	13/00	12	C 03 B	25/00
			120	F 25 D	13/04	293	F 25 D	3/00	465,466	F 25 D	25/00	13	C 03 B	23/04
			121	F 28 C	1/00	294	F 25 D	3/10	467	F 25 B		14	C 03 B	37/06
			122	F 25 B	41/00	295-299	F 25 D	19/00	468-473	F 25 B	43/02	15	C 03 B	37/06
			123,124	B 01 D	9/04	300,301	F 25 C	1/24	474	F 25 B	43/00	16	C 03 B	37/06
				C 02 F	1/22	302	F 25 D	23/00	475	F 25 B	43/04	17	B 28 B	5/00
				F 25 B	49/00	303	F 28 G		476	F 25 B	15/00	18.1	C 03 B	19/09
			125-127	F 25 D	21/02	304,305	F 28 D	5/00	477	F 25 B	17/00			
			128	G 01 K	13/00	306	B 01 F	3/04	478	F 25 B	17/02	18.2-18.4	C 03 B	20/00
			129,130	F 25 B	49/00	307,308	F 25 C	1/18	479	F 25 B	17/06	19,20	C 03 B	5/18
			131,132	B 60 H	1/32	309	F 25 D	17/04	480	F 25 B	17/08			
			133,134	F 25 C	1/00	310,311	F 28 D	5/00	481,482	F 25 B	17/00	21.1-21.5	C 03 B	9/00
			135	A 23 G	9/00	312,313	F 25 D	3/02	483	F 25 B	15/00			
			136	F 25 C	1/00	314	F 28 D	5/00	484	F 25 B	15/12			
			137-139	F 25 D	21/02	315	F 28 C	1/00	485-489	F 25 B	15/00			
			140	F 25 B	15/00	316	F 28 D	5/00	490-493	F 25 B	15/10			
			141	F 25 B	15/00	317	F 25 D	3/02	494	F 25 B	37/00			
			142-147	F 25 B	17/00	318	F 25 D	3/02	495-497	F 25 B	33/00			
			148	F 25 B	15/00	319	F 25 C	5/02	498	F 25 B	1/00			
			149	F 25 B	45/00	320	F 25 C	5/00	499	F 25 B	3/00			
			150	F 25 D	21/00	321	F 25 C	5/00	500	F 25 B	1/06			
			151-156	F 25 D	21/06	322	F 25 B	25/00	501,502	F 25 B	1/00			
			157,158	G 05 D	23/32	323 1-323 4	F 25 B	27/00	503	F 25 B	43/00			
			159	F 25 B	29/00	324 1-324 6	F 25 B	13/00	504	F 25 B	39/02			
			160	F 25 B	13/00	325	F 25 B	29/00	505	F 25 B	31/00			
			161-164	F 25 D	29/00	326	F 25 B	29/00	506-509	F 25 B	39/04			
			165-168	F 25 D	3/12	327,328	B 60 H	1/32	510	F 25 B	1/10			
			169	F 25 B	19/00	329	F 25 D	23/00	511	F 25 B	41/06			
			170	F 25 B	19/02	330	F 25 D	13/00	512	F 25 B	43/00			
			171	F 28 D	3/00	331	F 25 D	15/00	513	F 25 B	41/00			
			172	F 28 B	9/00	332	F 25 B	23/12	515-526	F 25 B	39/02			
			173	F 25 B	29/00	333	F 25 D	25/00	527,528	F 25 B	41/06			
			174	F 25 B	41/00	334	F 25 D	23/12	529	F 25 D	3/10			
			175	F 25 B	7/00	335	F 25 B	7/00	530	F 25 D	3/08			
			176.1-176 6	F 25 B	49/00	336	F 25 D	5/14	531	F 25 B				
				F 25 D	17/04	337-339	F 25 D	9/00	532-545	B 01 D	9/04			
			177-182	F 25 B	39/04	340	F 25 C	5/18		C 02 F	1/22			
			183,184	F 25 B	17/02	341	A 23 G							
			185	F 25 D	17/04	342,343	F 25 C							
			186,187	F 25 D	17/02	344	F 25 C							
			188	F 25 D	17/00	345,346	A 23 G							
			189	F 25 D										
			190	F 25 B										

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 65—Con.														
28	C 03 B	23/00	67	C 03 B	19/00	134-137	C 03 B	5/16			18/00	357-361	C 03 B	9/00
	C 03 B	29/00	68,69	C 03 B	9/10			5/18	243	C 03 B	19/00		C 03 B	11/00
	C 03 C	15/00			9/14			5/20			9/00	362	C 03 B	11/00
	C 03 C	19/00	70	C 03 B	9/16			5/225			11/00	374 1-374.15	C 03 B	
	C 03 C	27/00	71	C 03 B	9/20			5/23			13/00	375	C 03 B	
29	C 03 B	15/00			9/46	138-140	C 03 B	5/24			15/00		C 03 C	
30 1-30.14	C 03 C	17/00			7/00	141	C 03 B	23/07			17/00	U.S. Class 66		
31	C 03 C	21/00	72-76	C 03 B	7/00	142,143	C 03 B	5/23			18/00	TEXTILES, KNITTING		
	C 03 C	23/00			9/14			13/14			19/00			
32 1-32.5	C 03 B	25/00			11/02			19/10			21/00			
33	C 03 C	27/00			19/00			27/00			23/00			
34	C 03 B	5/16			29/00			29/00			25/00			
	C 03 B	29/00			7/00	144	C 03 B	19/06			27/00	1	D 04 B	35/00
35	C 03 B	35/00			9/14	145	C 03 B	7/14			29/00	1.5	D 04 B	37/00
36	C 03 B	23/20			9/16	146-151	C 03 B	13/10			31/00	2	D 04 B	17/00
	C 03 C	33/08			9/20			13/12			33/00	3	D 04 B	17/00
	C 03 C	27/00			9/24			27/00	244	C 03 B	23/00		D 04 B	5/00
37-39	C 03 B	29/00			11/04			29/00			29/00	4	D 04 B	7/00
40	C 03 B	23/20			9/14	152	C 03 B	9/42			13/00	5-7	D 04 B	3/00
	C 03 B	25/00			9/16			23/20			11/00	8	D 04 B	7/00
	C 03 C	27/00			9/193			33/08			29/00	9	D 04 B	9/00
	C 03 C	29/00			9/20			27/00			13/00		D 04 B	9/12
	C 03 C	11/08			9/30			29/00			13/06		D 04 B	9/14
	C 03 B	23/22			23/04	153	C 03 B	23/13			13/08		D 04 B	9/16
41	C 03 B	23/20			23/18	154	C 03 C	27/02			13/00	10	D 04 B	9/16
	C 03 B	25/00			9/00			29/00			19/02	11-13	D 04 B	9/12
	C 03 B	27/00			11/00	155	C 03 B	23/207			9/04		D 04 B	9/14
	C 03 B	27/00			13/00			27/02			9/44		D 04 B	9/16
	C 03 B	29/00			15/00			29/00			9/16		D 04 B	9/44
	C 03 C	27/00			17/00	156	C 03 B	23/20			9/193	14	D 04 B	9/10
	C 03 B	29/00			18/00	157	C 03 B	9/20			9/20	15-18	D 04 B	9/00
42	C 03 B	25/00			19/00	158	C 03 C	9/28			9/28	19,20	D 04 B	9/06
	C 03 C	27/00			11/00			9/30			9/30	21-23	D 04 B	9/24
	C 03 C	27/00			13/00						23/00		D 04 B	9/54
	C 03 C	29/00			15/14						23/00	24	D 04 B	9/22
43	C 03 C	27/00			15/18	159	C 03 B	29/00			29/00	25	D 04 B	9/06
	C 03 C	27/00			21/00						23/04		D 04 B	9/38
44	C 03 B	23/00			17/00						29/00	26	D 04 B	9/06
	C 03 B	31/00			13/00	160-164	C 03 B	23/00			23/00		D 04 B	9/38
	C 03 C	27/00			15/00			287-291			23/02		D 04 B	15/12
	C 03 C	29/00			17/00			292-299			23/04	27,28	D 04 B	9/06
45	C 03 B	9/00			19/00	165	C 03 B	23/00			23/00	29	D 04 B	9/22
	C 03 B	11/00			25/00			300,301			9/00	30	D 04 B	9/20
	C 03 B	13/00			27/00	166	C 03 C	19/04			19/04	31	D 04 B	9/00
	C 03 B	15/00			15/02			302			7/14	32,33	D 04 B	9/20
	C 03 B	17/00			17/00	167	C 03 B	303,304			11/00	34-36	D 04 B	9/00
	C 03 B	18/00			21/02			305-311			11/02	37	D 04 B	9/20
	C 03 B	19/00			21/04			312			11/00	38	D 04 B	9/00
	C 03 B	23/08			13/10			313-318			11/12	39	D 04 B	9/20
	C 03 B	23/20			15/10			319			11/00	40	D 04 B	9/00
45-53	C 03 B	9/00			13/00			320-322			9/40	41	D 04 B	9/24
	C 03 B	11/00			18/02	169	C 03 B	5/26			11/16	42	D 04 B	9/54
	C 03 B	13/00			13/00	170	C 03 B	7/00			7/00	43	D 04 B	9/00
	C 03 B	15/00			21/00			17/00			17/00	44	D 04 B	9/36
	C 03 B	17/00			23/00			1/00			5/26	45	D 04 B	9/38
	C 03 B	18/00			25/00			17/00			7/00	46-48	D 04 B	9/58
	C 03 B	19/00			27/00	171-173	C 03 B				7/10	49	D 04 B	9/20
54,55	C 03 B	23/00			31/00						5/26	51-53	D 04 B	9/18
56	C 03 B	33/00			33/00						17/00	54,55	D 04 B	9/20
57	C 03 B	29/00			31/00	174-177	C 03 B	9/46			7/10		D 04 B	9/00
58	C 03 B	23/24			32/00			21/02			3/00	56	D 04 B	9/46
59.1-59.7	C 03 C	27/02			33/00			33/00			5/00	57	D 04 B	9/00
60 1-60.8	C 03 C	17/00			15/00	178-180	C 03 B	5/18			5/16		D 04 B	15/32
	C 03 C	25/02			17/00	181	C 03 B	5/16			5/20	58,59	D 04 B	9/40
	C 03 C	19/00			19/00			346			5/00	60	D 04 B	7/00
61	C 03 C	21/00			19/00	182.1-182.5	C 03 B	18/00			5/00	61	D 04 B	7/12
62	C 03 B	23/00			21/00	183	C 03 B	17/00			27/00		D 04 B	7/14
	C 03 B	25/00			23/00	184-186	C 03 B	9/12			7/14		D 04 B	7/18
63	C 03 B	27/00			21/00			13/00			15/00	62	D 04 B	7/00
	C 03 B	29/00			23/26			17/00			9/38	63	D 04 B	7/06
	C 03 B	31/00			33/00			18/00			11/12	64	D 04 B	7/04
	C 03 B	33/00			27/00	187-192	C 03 B	15/14			13/00	65	D 04 B	7/34
64	C 03 B	23/00			25/00			15/18			15/00	66	D 04 B	7/04
	C 03 B	31/00			5/26			17/04			17/00	67	D 04 B	7/10
	C 03 B	33/00			5/28	193-206	C 03 B	15/02			18/00	68	D 04 B	7/00
65	C 03 B	29/00			7/00	207-226	C 03 B	7/00			19/00	69	D 04 B	7/00
66	C 03 B	9/00			7/14			9/16			21/00		D 04 B	7/20
	C 03 B	11/00			7/10			9/20			23/00	70	D 04 B	7/10
	C 03 B	13/00			7/18			11/00			25/00	71,72	D 04 B	7/00
	C 03 B	15/00			7/00	227-242	C 03 B	9/00			27/00	73	D 04 B	7/10
	C 03 B	17/00			5/26			11/00			29/00	74	D 04 B	7/00
	C 03 B	18/00			5/28			13/00			31/00	75.1,75.2	D 04 B	7/00
	C 03 B				7/10			15/00			35/00		D 04 B	15/66
	C 03 B							17/00						

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 66—Con.																	
76	D 04 B	7/10	168	D 04 B	35/20			9/38			23/00	16,17	E 05 B	75/00			
77	D 04 B	7/00	169	C 04 B	35/32			9/48			25/00	18,19	E 05 B	73/00			
78	D 04 B	7/00			1/00			9/50	147-183	D 06 B	3/00	20	E 05 B	67/00			
		15/36	170	D 04 B	21/00			15/74		D 06 F		21-30	E 05 B	37/06			
79,80	D 04 B	13/00	171	A 41 B				15/76	184-193	D 06 F	17/02			37/10			
81	D 04 B	25/02		A 41 C				15/78	194-199	D 06 F	17/00			37/14			
		25/04		A 41 D				15/82	200-206	D 06 B	1/00			37/18			
82	D 04 B	11/00		A 41 B		222	D 04 B	9/10		D 06 F	35/00			37/22			
83	D 04 B	11/00	172	D 04 B	9/46			9/26	207-212	D 06 F	37/00	31	E 05 B	67/00			
84	D 04 B	23/06	173	D 04 B	9/54			9/28			39/00	32-34	E 05 B	67/36			
		23/08	174	D 04 B	7/34			9/34	213,214	D 06 F	3/00	35	E 05 B	67/00			
85	D 04 B	23/10		D 04 B	9/58			9/38	215-219	D 06 F	5/02	36,37	E 05 B	67/32			
		23/12	175	A 41 B	9/08			9/48	220	D 06 F	3/00	38,39	E 05 B	67/22			
		23/06	176	A 41 B	9/06			15/66	222	D 06 C	7/00	40	E 05 B	67/28			
		23/08	177	A 41 B	9/02			15/68	223-231	D 06 F	3/02	41	E 05 B	67/08			
		23/10			9/04			15/74	232	D 06 F	1/02	42	E 05 B	67/18			
		23/12	178	A 41 B	9/10			15/78	233	D 06 F	1/04	43	E 05 B	67/10			
		23/08		A 41 B				15/82	235-241	D 06 F	29/00	44	E 05 B	67/14			
		23/10		D 04 B	11/00	223	D 04 B	9/10			39/00	45	E 05 B	67/18			
		23/12	179,180	A 41 B				9/26			51/00	46	E 05 B	67/10			
		31/00		D 04 B	9/46			9/28	242	D 06 F	47/00	47	E 05 B	67/14			
87	D 04 B	23/02	181,182	D 04 B	9/46			9/34	243	D 06 F	51/02	48	E 05 B	67/28			
88	D 04 B	11/04	183-188	A 41 B	11/02			9/38	244-263	D 06 F	45/00	49	E 05 B	67/06			
89	D 04 B	11/06		D 04 B	9/46			9/48	264-269	D 06 F	45/16	50	E 05 B	67/38			
90,91	D 04 B	35/00	189	A 41 B				9/50	270,271	D 06 F	45/26	51	E 05 B	67/00			
92	D 04 B	9/06		A 41 C				15/66	272-275	D 06 F	45/24	52	E 05 B	67/02			
		9/12		A 41 D				15/68	276	D 06 F	45/14	53	E 05 B	67/06			
93	D 04 B	35/00		D 04 B	7/00			15/74				54-56	E 05 B	67/38			
94	D 04 B	15/00	190,191	D 04 B	7/12	224-227	D 04 B	9/10				57,57.1	E 05 B	65/00			
		35/00			7/14			9/26	U.S. Class 69			58	E 05 B	69/00			
95	D 04 B	15/02			9/14			9/28	LEATHER MANUFACTURES			59	E 05 B	73/00			
96	D 04 B	15/04			13/00			9/34				60	E 05 B	69/00			
97	D 04 B	13/00	192,193	D 04 B	23/08			9/38				61,62	E 05 B	73/02			
98-103	D 04 B	15/28			23/10			9/48	1	C 14 B		63	E 05 B	69/00			
104-110	D 04 B	15/06	194	D 04 B	7/12			9/50	1.5	C 14 B	1/26	64	E 05 B	73/00			
		15/24			9/12			15/74	2	C 14 B	9/00	65	E 05 B	65/14			
111,112	D 04 B	15/08			11/08	228,229	D 04 B	15/78			1/00	66	E 05 B	65/48			
113-115	D 04 B	15/00	195	D 04 B	23/08			9/10	3,4	B 68 B	5/00	67	E 05 B	65/52			
		35/00	196,197	D 04 B	7/04			9/26	6	C 14 B	3/00	68	E 05 B	65/52			
116,117	D 04 B	35/02			23/08			9/28	6.5	C 14 B	5/00	69	E 05 B	65/52			
118	D 04 B	3/02	198	D 04 B	11/04			9/34	7	C 14 B	1/44	70	E 05 B	65/52			
		35/02			13/00			9/38	7.3	C 14 B	1/54	71	E 05 B	65/52			
119	D 04 B	35/08	199	D 04 B	15/02			9/48	7.5,7.7	C 14 B	1/38	72	E 05 B	65/52			
120-122	D 04 B	35/04	200	D 04 B	9/22			9/50	8	C 14 B	11/00	73	E 05 B	65/52			
		35/06	201	D 04 B	9/06			15/76	9-16	C 14 B	1/00	74	E 05 B	65/52			
123,124	D 04 B	35/02	202	D 04 B	9/34	230	D 04 B	15/78	17	C 14 B	1/14	75	E 05 B	65/52			
125	D 04 B	3/06			7/16			9/10	19-19.3	C 14 B	11/00	76	E 05 B	65/52			
		15/48			11/12			9/26			1/26	77	E 05 B	65/52			
		27/10			21/12			9/28			15/06	78	E 05 B	65/52			
		35/00			21/14			9/34			17/00	79	E 05 B	65/52			
126-130	D 04 B	15/52			21/16			9/38	20	C 14 B	19/00	80	E 05 B	65/52			
		15/56			21/18			9/48	21	C 14 B		81	E 05 B	65/52			
		15/64	203	D 04 B	23/06			9/50	21 5,22	C 14 B	1/00	82	E 05 B	65/52			
131	D 04 B	15/38			23/00			15/66	23-27	C 14 B	15/00	83	E 05 B	65/52			
		15/48	204	D 04 B	27/00			15/74	28-32	C 14 C	1/00	84	E 05 B	65/52			
132	D 04 B	15/50	205	D 04 B	23/00			15/76			11/00	85	E 05 B	65/52			
		15/48	206-208	D 04 B	23/04			15/78	33-35	C 14 B	1/40	86	E 05 B	65/52			
133	D 04 B	15/58	209-212	D 04 B	27/10	231-242	D 04 B	15/78	36	C 14 B	1/18	87	E 05 B	65/52			
		23/22	213	D 04 B	27/12			15/66	37	C 14 B	1/14	88	E 05 B	65/52			
134	D 04 B	15/60	214	D 04 B	27/02				38	C 14 B	17/14	89	E 05 B	65/52			
135	D 04 B	9/32	215,216	D 04 B	9/10				39	C 14 B	1/14	90	E 05 B	65/52			
		15/60			9/26				40	C 14 B	1/14	91	E 05 B	65/52			
136,137	D 04 B	9/34			9/28	U.S. Class 68					17/00	92	E 05 B	65/52			
138-144	D 04 B	15/54			9/48	TEXTILES, FLUID TREATING APPARATUS					1/08	93	E 05 B	65/52			
		23/22			9/50				41	C 14 B	1/08	94	E 05 B	65/52			
		27/02			15/66				42,43	C 14 B	1/06	95	E 05 B	65/52			
145	D 04 B	35/00			15/68						1/10	96	E 05 B	65/52			
146	D 04 B	15/44			15/74						17/00	97	E 05 B	65/52			
		27/12			15/76						17/00	98	E 05 B	65/52			
		27/14			15/78						1/02	99	E 05 B	65/52			
147	D 04 B	35/00			15/80						17/00	100	E 05 B	65/52			
148	D 04 B	9/40			15/82						1/30	101	E 05 B	65/52			
149-153	D 04 B	15/88			9/26							102-106	E 05 B	65/52			
		35/00			9/28							107-111	E 05 B	65/52			
157	D 04 B	35/10			9/34							113-123	E 05 B	65/52			
158-164	D 04 B	35/12			9/38							124-130	E 05 B	65/52			
		35/14			9/48							131	E 05 B	65/52			
		35/16			9/50							132-135	E 05 B	65/52			
165	D 04 B	35/10			15/68							136	E 05 B	65/52			
		35/18			9/10							137-139	E 05 B	65/52			
166	D 04 B	35/20			9/28							140	E 05 B	65/52			
167	D 04 B	35/10			9/34							141	E 05 B	65/52			
												142	E 05 B	65/52			
												143-145	E 05 B	65/52			
												149	E 05 B	65/52			
												150,151	E 05 B	65/52			
												152	E 05 B	65/52			
												153	E 05 B	65/52			
												154,155	E 05 B	65/52			
												156	E 05 B	65/52			
												157	E 05 B	65/52			
												158-173	E 05 B	65/52			
												174	F 16 C	3/00			

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 70—Con.			304-310	E 05 B	37/02			63/00	19,20	C 05 B	17/00	114,115	A 01 M	37/10
			311	E 05 B	37/04	420	E 05 B	15/06		C 05 F	1/00	116,117	A 01 M	37/38
	G 05 G	5/00	312	E 05 B	37/02			17/00	21	C 05 F	3/00	118	A 01 M	37/18
175	F 16 K	35/00	313-319	E 05 B	37/00			63/00	22	C 05 F		119	A 01 M	47/28
	G 05 G	5/00	320	E 05 B	15/00	421	E 05 B	15/14	23	C 05 F	11/00	120	A 01 M	47/30
176-179	F 16 K	35/00	321,322	E 05 B	15/12			17/00	24	C 05 F	11/02	121	A 01 M	33/02
	G 05 G		323-328	E 05 B	15/14			63/00	25	C 05 F	7/00	122	A 01 M	31/00
	F 16 K	35/00	329	E 05 B	15/00	422	E 05 B	15/16			11/00			35/08
180	G 05 G	5/00	330,331	E 05 B	17/00			63/00	26	C 05 F	5/00	123	A 01 M	35/00
	F 16 K	3/00	332	E 05 B	1/00	423-428	E 05 B	13/02	27	C 05 C		124	A 01 M	31/00
181	G 05 G	5/00	333,334	E 05 B	15/16			17/14		C 05 F		125	A 01 M	33/18
	B 60 R	25/02			63/00	429,430	E 05 B	11/00	28	C 05 C	9/00	126	A 01 M	29/00
	F 16 K	3/00	336	E 05 B	35/00			13/04	29	C 05 B	15/00	127	A 01 M	27/00
	G 05 G	5/00	337,338	E 05 B	35/08	431	E 05 B	17/00	30	C 05 C	9/00	128	A 01 M	59/00
190-206	F 16 H	57/00	339	E 05 B	35/12	432	E 05 B	41/00	31	C 05 C				59/08
	G 05 G	5/00	340-343	E 05 B	35/10	433-435	E 05 B	39/04		C 05 B				59/10
207-224	B 60 R	25/02	344	E 05 B	35/00			1/32		C 05 C				59/12
	B 62 H	5/04	345	E 05 B	35/04	436,437	E 05 B	39/04		C 05 D				59/14
	E 05 B	13/10	346	E 05 B	15/06	438	E 05 B	17/00		C 05 F				
	F 16 C	3/00	347-349	E 05 B	21/00	439	E 05 B	39/00		C 05 G				
	G 05 G	5/00			23/00	440	E 05 B	39/02	32,33	C 05 B				
225,226	B 60 R	25/00	350	E 05 B	21/00	441	E 05 B	17/00	34-36	C 05 B	7/00			
	B 62 H	5/14	351	E 05 B	23/00	442	E 05 B	15/00	37	C 05 B	11/04			
227	B 60 R	25/00	352-355	E 05 B	21/00	443	E 05 B	9/00	38	C 05 B	11/14			
	B 62 H	5/16			23/00	444	E 05 B	15/00	39	C 05 B	11/06			
228	B 60 R	25/08			25/00	445	E 05 B	1/00			1/00	1	B 21 D	55/00
	B 62 H	5/18	356	E 05 B	29/14			3/00	40	C 05 B	11/08	2-5	B 21 D	33/02
229-232	F 16 B	41/00			31/00	446	E 05 B	17/00				6	B 21 B	55/00
233-235	B 62 H	5/00	357	E 05 B	27/00	447	E 05 B	15/00	41	C 05 B	11/08	7	B 21 B	37/00
	E 05 B	71/00			29/00	448	E 05 B	9/00			11/10		B 30 B	15/26
236	B 62 H	5/08			31/00	449	E 05 B	9/04	42	C 05 B	11/16	8,9	B 21 B	37/12
	E 05 B	71/00			33/00	450,451	E 05 B	9/08	43	C 05 B	11/00	10-12	B 21 B	37/00
237,238	B 60 R	25/00	358	E 05 B	27/06	452	E 05 B	95/04	44-47	C 05 B	13/00	13	B 21 B	37/10
	E 05 B	65/12			29/14	453,454	E 05 B	15/08	48	C 05 B	14,15	14,15	B 21 B	37/00
239	B 60 R	25/04			31/00	455	E 05 B	17/18	49	C 05 B	17/00	16	B 21 B	37/02
	E 05 B	65/12	359	E 05 B	27/04	456-459	A 44 B	15/00	50	C 05 B	11/06	17,18	B 21 B	37/04
240	B 60 R	25/00	360-369	E 05 B	27/00		A 45 C	11/32		C 05 C	1/00	19-21	B 21 B	37/08
	E 05 B	65/19			29/00		A 47 G	29/10			7/00	22-27	B 21 J	7/46
241	B 60 R	25/04			33/00	460	E 05 B	19/24	51	C 05 B	7/00	28,29	B 21 B	37/06
	E 05 B	65/19	370	E 05 B	9/08	461	E 05 B	63/00	52,53	C 05 B	17/00	30	B 30 B	15/00
242-244	B 60 R	25/04	371	E 05 B	9/04			63/06	54	C 05 C		31-34	B 21 C	51/00
	E 05 B	65/12	372	E 05 B	15/00	462	E 05 B	63/04	55-57	C 05 C	7/00	35,36	B 21 B	31/34
245-247	F 16 K	35/00	373-375	E 05 B	9/04	463	E 05 B	17/00	58,59	C 05 C		37	B 21 C	51/00
	B 60 R	25/06	376-378	E 05 B	15/14	464	E 05 B	15/00	60	C 05 C	1/00	38	B 21 B	9/00
	E 05 B	65/12	379,380	E 05 B	9/10			17/08			3/00	39	B 21 D	45/04
248	B 60 R	25/04			17/04	465	E 05 B	63/00			5/00		B 21 C	43/00
	E 05 B	65/12	381	E 05 B	15/02	466	E 05 B	17/00		C 05 D	11/00	40	B 21 B	45/02
249	B 60 R	25/06	382-386	E 05 B	25/00			17/06	61-63	C 05 D		41-45	B 21 C	43/00
	E 05 B	65/12	387	E 05 B	35/04	467-489	E 05 B	55/04	64 01-64 13	A 01 M	25/00	46,47	B 21 B	45/00
250,251	B 60 R	25/04	388	E 05 B	17/00	490-492	E 05 B	27/00		C 05 G	5/00		B 21 C	23/24
	E 05 B	65/12	389	E 05 B	11/00	493,494	E 05 B	27/00	65-67	A 01 N	3/02	48	B 21 D	19/12
252	B 60 R	25/02	390	E 05 B	11/06	495,496	E 05 B	27/00	68	A 01 N		49,50	B 21 C	37/12
	E 05 B	65/12	391	E 05 B	15/00			29/00	69,70	A 01 N		51,52	B 21 D	39/02
253	B 60 R	25/00	392	E 05 B	15/14				71	A 01 N	57/00			51/28
	E 05 B	65/12			25/00				72	A 01 N	31/00	53	B 21 J	
254,255	B 60 R	25/04	393	E 05 B	19/00				73	A 01 N	43/02	54	B 21 D	22/10
	E 05 B	65/12	394	E 05 B	19/20				74	A 01 N	43/34			26/00
256	B 60 R	25/00	395	E 05 B	19/00				75	A 01 N	43/02			28/18
	E 05 B	65/12	396,397	E 05 B	19/02				76-79	A 01 N			B 21 J	5/04
257	B 60 R	25/00	398,399	E 05 B	19/08				80-84	A 01 N	59/00	55	B 21 D	22/00
	E 05 B	65/12			19/12				85	A 01 N				26/00
258-260	B 60 R	25/04	400,401	E 05 B	19/14				86	A 01 N	57/00			28/18
261	A 47 C	31/00	402-404	E 05 B	19/02				87	A 01 N	57/10	56	B 21 D	26/02
	E 05 B	65/12	405,406	E 05 B	19/04				88	A 01 N	43/00		B 21 J	5/04
262-265	E 05 B	65/44	407	E 05 B	19/02				89	A 01 N	43/08	57,58	B 21 D	39/08
	E 05 B	53/00	408	E 05 B	19/04				90,91	A 01 N	43/02			39/20
	E 05 B	63/14	409	E 05 B	19/06				92,93	A 01 N	43/48	59	B 21 D	15/06
266	E 05 B	15/00	410	E 05 B	19/06						43/64	60-63	B 21 D	22/10
267-274	E 05 B	43/00	411	E 05 B	19/18				94	A 01 N	43/40			28/18
275	E 05 B	51/00	412	E 05 B	19/06				95	A 01 N	43/36			39/20
276,277	E 05 B	47/00			19/06				96	A 01 N	43/38	64,65	B 21 B	15/02
278	E 05 B	49/00	413	E 05 B	19/26				97	A 01 N	55/02		B 21 D	11/14
279-282	E 05 B	47/00			47/00				98	A 01 N	31/00	66	B 21 D	11/00
283	E 05 B	47/06	414	E 05 B	19/00				99	A 01 N	33/08	67	B 21 B	1/00
284-286	E 05 B	37/00	416	E 05 B	13/00				100,101	A 01 N	37/00			3/00
287,288	E 05 B	37/16			15/00				102	A 01 N	37/12			11/00
289,290	E 05 B	37/20			17/00	6-10	C 05 F	11/08	103,104	A 01 N	41/00	68	B 21 B	15/00
291	E 05 B	37/00			63/00	11	C 05 F		105	A 01 N	37/34			23/00
292,293	E 05 B	37/12	417	E 05 B	15/16	12,13	C 05 F	3/00	106	A 01 N	37/00	69	B 21 B	27/06
294-296	E 05 B	37/00			17/00	14	C 05 F	9/00	107	A 01 N	37/10	70-76	B 21 B	13/20
297-300	E 05 B	37/16			63/00	15	C 05 F	1/00	108	A 01 N	37/36	77	B 21 B	3/00
301	E 05 B	37/00	418,419	E 05 B	15/00			3/00	109,110	A 01 N	37/38	78	B 21 D	3/00
302,303	E 05 B	37/08			17/00	16-18	C 05 F	1/00	111	A 01 N	37/44	79	B 21 D	3/06
									112	A 01 N	37/10	80	B 21 B	5/00
									113	A 01 N	37/00	81	B 21 D	22/00

U.S. Class 72

METAL DEFORMING

U.S. Class 71

CHEMISTRY, FERTILIZERS

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 72—Con.														
82.83	B 21 D	5/00	200-202	B 21 H	1/22			25/00	449-454	B 21 J	9/18			33/24
			203,204	B 21 B	27/06			25/04	455	B 21 D	37/12	63	G 01 N	11/00
84.85	B 21 D	22/14	205	B 21 B	1/00	294	B 21 D	43/28		B 21 J	13/04	64	G 01 N	33/28
86.87	B 21 D	22/00	206	B 21 B	39/08	295-298	B 21 D	11/02	456	B 21 D	37/10	64.1	G 01 N	33/48
88	B 21 D	19/12	207	B 21 B	15/00	299	B 21 D	11/14		B 21 J	13/04	64.2	G 01 N	7/00
			208,209	B 21 B	17/10	300-303	B 21 D	11/02	457-460	B 21 J	13/08	64.3	G 01 N	7/10
89	B 21 H	3/06	210,211	B 21 D	7/02	304-307	B 21 D	11/00	461	B 21 D	11/22			13/04
			212,213	B 21 D	9/08	308-310	B 21 D	5/04	462	B 21 D	37/01	64.4	G 01 N	13/02
90	B 21 H	3/06	214-220	B 21 D	7/02	311-315	B 21 D	11/00		B 21 J	13/00	65	G 01 M	1/12
						316,317	B 21 D	41/02	463	B 21 D	37/18	66	G 01 M	1/00
						318-323	B 21 D	11/00	464	B 21 C	3/02	73-76	G 01 M	5/02
91-94	B 21 B	3/06	221	B 21 B	1/00	324	B 21 D	43/28	465,466	B 21 B	25/00			25/56
95	B 21 B	19/00	222,223	B 21 B	39/14		B 21 K	27/06	467	B 21 C	3/00	77	G 01 N	25/62
96	B 21 B	19/08	224,225	B 21 B	13/10	325-331	B 21 D	31/02	468	B 21 C	3/06	78	B 23 Q	17/20
97	B 21 B	19/04	226	B 21 B	39/00	332-341	B 21 D	28/00	469	B 21 D	17/00		G 01 N	3/00
98	B 21 B	19/12	227	B 21 B	41/00	342	B 21 D	37/16	470-475	B 21 D	37/14	79	G 01 N	3/52
99	B 21 B	19/02	228	B 21 B	41/04	343	B 21 D	22/00	476	B 21 C	3/16	81	G 01 N	3/48
			229	B 21 B	41/06	344-346	B 21 D	45/00	477	B 21 D	31/00	82	G 01 N	3/42
			230	B 21 B	41/10			45/02	478-480	B 21 J	13/02	83	G 01 N	3/32
			231	B 21 B	41/02			45/04			13/03			3/44
100	B 21 D	19/00	232	B 21 B	13/04			45/06	481	B 21 D	37/04	84.85	G 01 N	3/00
101	B 21 B	1/10	233	B 21 B	13/16			45/08	482	B 21 D	37/00	86.87	G 01 N	17/00
102	B 21 B	27/00	234	B 21 B	13/08	347-351	B 21 D	45/10	483	B 21 C	3/06	104	B 23 Q	17/09
103,104	B 21 H	3/04	235	B 21 B	13/12			22/00	706-711	B 21 C	1/00		G 01 N	19/02
105,106	B 21 D	15/04	236	B 21 B	27/06			22/21				105	G 01 B	5/28
107-111	B 21 D	15/00	237	B 21 B	31/00	352-361	B 21 D	22/00				112-115	G 01 L	3/26
112	B 21 D	1/02				362-364	B 21 D	31/00					G 01 M	15/00
						365,366	B 21 B	1/00				116-117.4	G 01 L	3/26
113	B 21 D	1/08	238,239	B 21 B	31/07			47/01						5/13
114	B 21 J	15/12						1/22					G 01 M	15/00
115-123	B 21 D	3/02	240	B 21 B	31/07	367	B 21 D	3/00				118.1	G 01 M	19/00
124	B 21 B	19/14	241,242	B 21 B	31/20	368	B 21 C	37/06	1.2	G 01 C	17/38	118.2	G 01 M	19/00
125,126	B 21 B	15/00				369	B 21 D	9/00		G 01 K	15/00		G 01 P	5/00
127	B 21 B	3/00						9/04				119,120	G 01 M	15/00
128	B 21 K	29/00	243	B 21 B	31/07	370	B 21 B	17/02		G 01 L	25/00	121-132	G 01 L	5/28
129-132	B 21 F	11/00				371	B 21 D	11/14			27/00	146	E 01 C	23/00
133	B 21 B	39/02	244	B 21 B	31/07	372-378	B 21 D	31/00		G 01 W	1/18		G 01 M	17/02
134	B 21 C	47/00				379	B 21 C	37/02	3	G 01 F	25/00	146.2-146.8	B 60 C	23/02
135	B 21 F	3/02	245	B 21 B	31/07	380-383	B 21 D	5/02	4	G 01 L	27/00	147	G 01 M	9/00
136	B 21 D	11/08				384	B 21 D	17/02	5	G 03 B	43/00	148	B 63 B	9/08
137	B 21 F	35/02	246	B 21 B	31/07	385	B 21 D	13/02	6	G 04 B	17/00		G 01 M	10/00
138,139	B 21 F	3/10				386	B 21 D	9/14	7	G 01 N	3/56	149	G 01 F	17/00
140	B 21 F	3/02	247	B 21 B	31/07	387-391	B 21 D	9/05			19/02	150	G 01 B	21/08
141	B 21 F	3/06						31/00	8	G 01 N	19/02		G 01 M	17/00
142-145	B 21 F	3/04	248	B 21 B	31/07	392,393	B 21 D	41/02	9,10	G 01 N	3/56	151	E 21 D	47/00
146-148	B 21 C	47/00				394-403	B 21 D	41/00		G 01 M	17/04	151.5	E 21 B	45/00
149	B 21 D	7/04	249	B 21 B	31/07		B 21 J	7/16	11	G 01 N	3/08	152	E 21 B	49/00
						404,405	B 21 J	11/00	12-14	G 01 N	7/00	153	E 21 B	49/02
150	B 21 D	9/05	250-252	B 21 B	39/20	406	B 21 J	7/20	19	G 01 N	33/497	154	E 21 B	49/00
151-159	B 21 D	7/04	253.1-256	B 21 C	23/00	407	B 21 D	7/06		G 01 N	31/00	155	E 21 B	47/00
160	B 21 D	1/02	257	B 21 C	35/00	408	B 21 D	37/00	23	G 01 N	30/02	156	G 01 B	5/16
			258	B 21 C	23/22	409	B 21 D	9/08	23.1	G 01 N	31/00		G 07 C	
161	B 21 B	15/00	259	B 21 C	23/00			37/12	24-30	G 01 N	31/00	157	G 01 B	5/16
			260	B 21 C	25/08	410	B 21 D	9/08	32	G 01 N	9/00	158-160	G 01 L	5/04
162	B 21 D	3/04	261	B 21 C	23/02	411	B 21 D	31/00	35	G 01 L	23/22	161	G 01 L	1/04
			262,263	B 21 C	23/00	412	B 21 D	37/00		G 01 N	25/20		G 01 M	3/26
163-165	B 21 D	1/02	264	B 21 C	23/04	413	B 21 D	37/02	36	G 01 M	33/22	162	G 01 M	13/02
			265	B 21 C	23/20	414,415	B 21 D	17/02		G 01 M	3/20	163	G 07 F	3/02
166	B 21 D	5/14	266	B 21 C	25/06	416	B 21 D	37/10	37	G 01 M	3/02	164	F 21 L	23/00
			267	B 21 C	23/18	417	B 21 D	43/02	37.5	G 01 B	13/08		G 01 D	3/00
167	B 21 D	11/08	268	B 21 C	25/02	418	B 21 D	7/06	37.6,37.7	G 01 B	13/04	167	G 01 L	5/14
168	B 21 B	15/00	269	B 21 C	25/04	419	B 21 D	43/00	37.8,37.9	G 01 M	3/02	168	G 01 M	19/00
169-175	B 21 D	5/14	270	B 21 C	33/00	420	B 21 J	13/10		G 01 N	15/08	169	G 01 N	7/20
			271	B 21 C	31/00	421	B 21 D	43/02		G 01 M	3/02			7/22
176	B 21 D	5/08	272	B 21 C	27/00			43/09	40	G 01 M	3/04	170	G 01 W	1/00
177	B 21 B	15/00	273	B 21 C	25/00			43/13	40.5	G 01 M	3/08	171	G 01 W	1/14
178	B 21 D	5/08				422	B 21 D	43/10	40.7-45.8	G 01 M	3/04	172	A 61 B	5/00
179	B 21 D	5/14	273.5	B 21 C	23/00			43/11	46-49.1	G 01 M	3/08		G 01 M	19/00
180	B 21 D	5/16	274,275	B 21 C	1/00	423	B 21 C	1/14	49.2	G 01 M	3/04	178-187	G 01 C	21/00
181	B 21 D	5/08	276	B 21 C	3/06	424	B 21 D	43/20	49.3	G 01 M	3/34	188	G 01 W	1/00
182	B 21 D	5/14	277	B 21 C	1/00	425	B 21 D	43/00	49.4-49.8	G 01 M	3/04	189	G 01 W	1/02
183	B 21 D	3/12	278,279	B 21 C	1/04	426,427	B 21 D	45/00		G 01 M	3/00	195-197	G 01 F	7/00
			280	B 21 C	1/10			45/02	53	G 01 N	11/00	198	G 01 F	15/02
184	B 21 B	1/00	281,282	B 21 C	1/04			45/04			33/487	199	G 01 F	15/02
			283	B 21 C	1/24	428	B 21 D	43/16	54	G 01 N	11/02			15/04
			284	B 21 C	1/26	429	B 21 J		55,56	G 01 N	11/04	200	G 01 F	15/08
185,186	B 21 D	13/00	285	B 21 C	3/12	430	B 21 J	15/24		G 01 N	11/12	201	G 01 F	15/14
187,188	B 21 B	1/04	286	B 21 C	9/00	431-434	B 21 J	7/12	57	G 01 N	11/00			15/18
			287	B 21 C	1/28	435-437	B 21 J	7/36	58	G 01 N	11/14	202	G 01 F	5/00
			288	B 21 C	1/12	438	B 21 J	7/46	59	G 01 N	11/00	202.5	G 01 F	1/68
			289	B 21 C	1/02	439	B 21 J	7/42	60	G 01 N				5/00
189-195	B 21 D	21/00	290	B 21 C	1/14	440	B 21 J	7/44	60.1	G 01 N	15/00	203	G 01 F	5/00
196	B 21 D	13/04	291	B 21 C	1/30	441-444	B 21 J	7/46	61	G 01 N		204,11-204.27	G 01 F	1/68
197,198	B 21 B		292	B 21 D	31/00	445	B 21 J	7/20	61.3	G 01 N	25/00	215,216	G 01 F	1/20
199	B 21 B		293	B 21 D	1/00	446-448	B 21 J	13/00	61.4	G 01 N	31/02	217-226	G 01 F	3/24

U.S. Class 73

MEASURING AND TESTING

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 73—Con.			536-551	G 01 P	15/02			29/02	633	G 01 R	33/20			29/00
			570	G 01 H	17/00			29/04		G 01 B	15/00			33/00
				G 01 M	24/00	601	G 01 N	9/24		G 01 K	11/06	660	G 01 D	1/00
227	G 01 F	1/00		G 01 M	7/00			29/00		G 01 N	29/00		G 01 H	11/00
232-233	G 01 F	3/02	571	G 01 M	29/00			29/04			29/04		G 01 M	1/22
234	G 01 F	3/30	572	G 01 H	1/00	602	G 01 N	9/24	634	G 01 N	9/24			13/00
235-236	G 01 F	3/32			13/00			21/00			24/00		G 01 N	29/00
237	G 01 F	3/34		G 01 M	7/00			29/00			29/04	661	G 01 H	11/00
238	G 01 F	3/32	573	G 01 M	7/00			29/04			29/04		G 01 N	9/18
239-251	G 01 F	3/14		G 01 M	3/48	603	G 01 N	29/04			29/04		G 01 M	3/32
252	G 01 F	3/06			24/00		G 03 H	3/00	635	G 01 N	24/00	662		7/00
253-257	G 01 F	3/08			29/00	604	G 01 N	9/24			24/00		G 01 N	3/00
258	G 01 F	3/12	574-576	G 01 H	1/00			29/00	636	G 01 N	29/04	663	B 06 B	29/00
259-261	G 01 F	3/04		G 01 M	7/00	605	G 01 N	29/04	637	G 01 N	9/24		G 01 N	7/00
262-271	G 01 F	3/20		G 01 N	29/00	606	G 01 N	9/24			29/00	664	G 01 M	29/00
272	G 01 F	15/00	577,578	G 01 M	3/00			29/00	638	G 01 N	29/04	665	B 06 B	1/00
273	G 01 F	15/14			7/00			29/04			29/04			1/12
274-276	G 01 F	15/00		G 01 N	29/00	607	A 61 B	10/00	639,640	G 01 N	9/24		G 01 M	7/00
277	G 01 F	15/10	579	G 01 H	1/00		G 01 N	9/24			29/00		G 01 N	3/32
278-281	G 01 F	15/00			9/00			29/04			29/04			29/00
290-295	G 01 F	23/00			13/00	608	G 01 N	29/04	641	G 01 N	29/00	666	B 06 B	1/00
296	G 01 F	23/20		G 01 L	1/00	609	G 01 B	17/02			29/04		G 01 M	7/00
297-304	G 01 F	23/00		G 01 M	7/00		G 01 N	3/00	642	G 01 N	29/00	667	B 06 B	1/00
305	G 01 F	23/30		G 01 N	3/32			5/24			29/00			1/12
		23/56			21/00			24/00			29/04		G 01 M	7/00
306-312	G 01 F	23/30			24/00			29/00			17/00		G 01 N	3/32
313	G 01 F	23/36			29/00	610	G 01 N	29/04	643	G 01 N	9/24			29/00
		23/52			29/04			9/24			29/04	668	G 01 N	29/00
		23/60	580	G 01 G	3/16			23/20	644	G 01 N	24/00	669	H 04 R	9/04
314-316	G 01 F	23/30			11/00	611	G 01 N	9/24			29/00		G 01 M	5/00
317	G 01 F	23/32			11/04			29/04			33/20			7/00
318	G 01 F	23/30		G 01 M	7/00	612	G 01 N	9/24	645-648	G 01 C	3/08		G 01 N	17/00
319	G 01 F	23/56		G 01 M	29/00			29/00		G 01 G	1/10			3/32
320-322	G 01 F	23/30	581	G 01 H	13/00			29/04		G 01 H	1/00		G 01 M	29/00
322-5	G 01 F	23/76	582	G 01 H	13/00	613	G 01 N	29/04			1/08	670		7/00
323-334	G 01 F	23/02		G 01 N	24/00		G 01 R	33/20			3/10		G 01 M	17/00
335-338.6	G 01 W				29/04	614	G 01 N	9/24			3/12	671	B 06 B	1/06
379	A 61 B	5/22	583	G 01 H	1/00			29/00			3/14		G 01 M	7/00
380,381	G 01 L	5/06	584	C 21 B	7/24			29/04			5/00		G 01 N	29/00
382,383	G 01 M	1/12		G 01 H	1/00	615	G 01 B	17/02		G 01 K	11/00	672	G 01 M	13/04
384,385	G 01 L	7/20		G 01 H	3/32		G 01 N	9/24			13/00	700,701	G 01 L	7/00
386,387	G 01 L	7/12			9/24			29/00		G 01 L	11/00	702-704	G 01 L	11/00
426-429	G 01 F	19/00			29/00			29/04		G 01 V	1/00	705	G 01 L	9/00
430	G 01 D	11/10			29/04	616	G 01 N	9/24			13/00	706,707	G 01 L	7/00
431	G 01 L	19/14	585	A 61 B	1/22			29/00		G 08 B	13/00	708	G 01 L	19/04
	G 01 P	1/02			5/12	617	G 01 B	17/00	649	G 01 H	11/00	709-711	G 01 L	7/00
432.1	G 01 F	15/14	586	H 04 R	1/28		G 01 N	9/24		G 01 N	29/00	712	G 01 L	19/08
	G 01 J	5/04	587	G 01 D	7/00			29/04	650	G 01 D	9/00	713	G 01 L	7/22
	G 01 L	19/14		G 01 H	1/00	618	G 01 N	29/04		G 01 H	1/10	714	G 01 L	7/00
	G 01 N	7/00		G 01 N	29/00	619	G 01 N	29/04		G 01 N	29/00	715	G 01 L	7/08
	G 01 P	1/02	588	G 01 M	7/00			29/04	651	G 01 D	21/00	716	G 01 L	13/02
433	G 01 N	9/02		G 01 N	29/04	620	G 01 N	24/00	652	G 01 N	1/00			15/00
434	G 01 N	9/06	589	G 01 N	29/00			29/00		G 01 P	15/00	717	G 01 L	9/00
435,436	G 01 N	9/00	590	G 01 H	3/00			29/04			15/02	718	G 01 L	9/12
437	G 01 N	9/10		G 01 H	29/00	621	G 01 N	29/04		G 01 V	1/16	719	G 01 L	9/02
438	G 01 N	9/12		G 01 H	29/04	622	G 01 N	9/24	653	G 01 H	1/00	720	G 01 L	9/04
439	G 01 N	9/28	591	G 01 N	29/00			29/00		G 01 P	1/07	721	G 01 L	9/06
440-454	G 01 N	9/00	592	G 01 H	3/00	623	A 61 B	5/04	654	G 01 H	1/00	722	G 01 L	9/10
455-459	G 01 M	1/00		G 01 N	29/00		G 01 N	29/04			1/08			9/14
460-470	G 01 M	1/16	593	G 01 H	1/08	624	G 01 N	24/00			11/06	723	G 01 L	9/00
471-487	G 01 M	1/00		G 01 M	13/02	625	G 01 N	29/00		G 01 N	9/18	724	G 01 L	9/12
488-491	G 01 P	15/00			13/04			29/04			29/00	725	G 01 L	9/02
492	G 01 P	15/04		G 01 N	29/00			9/24		G 01 P	15/08	726	G 01 L	9/04
493,494	G 01 P	1/02	594	G 01 M	7/00	626	G 01 N	29/00			15/12	727	G 01 L	9/06
495,496	G 01 P	15/00		G 01 N	3/30			29/00	655	G 01 D	5/32	728	G 01 L	9/10
497	G 01 P	3/00			29/00			1/00		G 01 H	1/00	729	G 01 L	7/06
498	G 01 L	9/00	595	G 01 M	7/00	627	G 01 B	17/02			9/00			9/14
499	G 01 P	3/00	596	G 01 N	9/04		G 01 N	9/24		G 01 N	9/18	730,731	G 01 L	7/02
500,501	G 01 P	3/20		H 03 H	7/30			29/00	656	G 01 B	11/16			7/10
502	G 01 P	3/00	597	G 01 H	5/00			29/04		G 01 H	9/00	732	G 01 L	7/04
503	G 01 P	7/00		G 01 K	11/00	628	G 01 N	29/00		G 01 N	1/18	733	G 01 L	9/00
504	G 01 P	9/00		G 01 N	9/24			29/04			25/00	734	G 01 L	9/02
505	G 01 P	15/00			24/00		G 01 R	33/20	657	G 01 B	9/02			9/04
506	G 01 P	7/00			29/02	629	G 01 N	9/24		G 01 N	21/41	735	G 01 L	9/10
507	G 01 P	15/00			29/04			17/00			29/04			9/14
508,509	G 01 P	3/00		G 01 S	15/00			24/00	658	G 01 D	11/06	736	G 01 L	13/02
510-513	G 01 P	3/04		G 01 V	1/28			29/00		G 01 H	1/00	737	G 01 L	7/04
514-516	G 01 P	15/00	598	G 01 N	29/04			29/04		G 01 N	9/18	738	G 01 L	19/06
517	G 01 P	15/08		G 01 R	33/20		G 01 R	33/20			29/00	739	G 01 L	7/04
518-520	G 01 P	3/22	599	G 01 H	3/12		G 06 M	7/04		G 01 R	9/04	740	G 01 L	7/14
521-525	G 01 P	3/26		G 01 N	9/24		H 01 J	29/89	659	G 01 D	7/00			19/02
526-529	G 01 P	3/00			24/00	630	G 01 N	29/00		G 01 H	1/04	741-743	G 01 L	7/04
530-534	G 01 P	3/18			29/00	631		29/00		G 01 M	7/00	744	G 01 L	7/16
535	G 01 P	3/16		G 01 V	1/06			29/04		G 01 N	23/16	745	G 01 L	9/00
		15/02	600	G 01 N	9/24	632	G 01 N	29/00						

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 73—Con.			861.39	G 01 F	1/20	862.68	G 01 L	1/16			63/00	64	F 16 H	25/08
			861.41	G 01 F	13/00			1/18	3.5	F 16 H	59/00			33/02
746	G 01 L	9/02	861.42	G 01 F	1/34			1/20			61/00			33/08
747	G 01 L	7/18	861.43	G 01 F	1/34			1/25			63/00	65-69	F 16 H	21/14
748	G 01 L	7/20			15/07	862.69	G 01 L	1/12	3.52	F 16 H	3/74			21/48
749	G 01 L	9/00	861.44,861.45	G 01 F	1/34			1/25	3.54-4	F 16 H	59/00	70	F 16 H	21/40
750	G 01 L	9/02			15/075	863	G 01 N	1/00			61/00			21/52
751	G 01 L	7/24	861.46	G 01 F	1/37	863.01-863.25	G 01 N				63/00			27/04
752	G 01 L	21/04			15/075	863.31	G 01 N	1/16	5	G 01 C	19/02			29/12
753	G 01 L	9/00	861.47,861.48	G 01 F	1/38			1/26	5.1-5.14	G 01 C	19/24	71-73	F 16 H	21/40
754	G 01 L	9/00	861.49,861.51	G 01 F		863.32	B 01 L	3/02	5.2	G 01 C	19/04			21/52
		9/16	861.52	G 01 F	1/37	863.33	G 01 N	1/16	5.22,5.34	G 01 C	19/02			27/04
755	G 01 L	21/12	861.53-861.55	G 01 F	1/22			1/26	5.37	G 01 C	19/06			29/20
756	G 01 L	7/00			1/40	863.41-863.45	G 01 N	1/20	5.4	G 01 C	19/54	74	F 16 H	21/40
760	G 01 B	5/30	861.56	G 01 F	1/24	863.51-863.81	G 01 N		5.41,5.42	G 01 C	19/30			21/52
		7/16	861.57,861.58	G 01 F	1/22	863.82	G 01 N	1/16			19/46			27/08
	G 01 L	1/00	861.59	G 01 F	1/34			1/26	5.43	G 01 C	19/30			29/20
	G 01 N	3/00	861.61,861.62	G 01 F	1/42	863.83,863.84	G 01 N	1/14			19/52	75	F 16 H	21/40
761	F 16 B	31/02	861.63,861.64	G 01 F	1/44	863.85,863.86	G 01 N	1/00	5.44,5.45	G 01 C	19/30			21/52
762	G 01 B	11/20	861.65-861.68	G 01 F	1/46	863.91-864	G 01 N				19/46			27/04
		21/32	861.69	G 01 F	1/34	864.01-864.03	B 01 L	3/02	5.46,5.47	G 01 C	19/30			29/12
763	G 01 B	7/16	861.71,861.72	G 01 F	1/28	864.11-864.18	B 01 L	3/02	5.5	G 01 C	19/04	76-81	F 16 H	21/40
	G 01 L	25/00	861.73	G 01 F	1/30			1/14	5.6	G 01 C	19/28			21/52
	G 01 L	1/00	861.74-861.76	G 01 F	1/28	864.21-864.25	B 01 L	3/02	5.7	G 01 C	19/06			27/02
764-782	G 01 B	7/16	861.77	G 01 F	15/00			35/06	5.8	G 01 C	19/44			29/20
	G 01 L	1/00	861.78	G 01 F	15/06	864.31	G 01 N	1/00	5.9	G 01 C	19/34	82	F 16 C	1/02
783	G 01 N	19/06	861.79	G 01 F	1/05	864.32	G 01 N	1/12	6-9	F 02 M				27/04
784,785	G 01 B	5/00	861.81,861.82	G 01 F	1/08	864.33	G 01 N	1/00	10-10.9	F 16 H	35/18			29/12
		7/16	861.83,861.84	G 01 F	1/12	864.34,864.35	G 01 N	1/14	11-15.86	F 16 H	37/00	83	F 16 H	27/04
	G 01 L	1/00	861.85	G 01 P	5/05			1/24	15.88	F 16 H	37/00			29/12
	G 01 N	3/00	861.86	G 01 F	1/05	864.41-864.45	G 01 N	1/04			37/16	84	F 16 H	33/08
		33/24	861.87	G 01 F	1/06	864.51	G 01 N	1/12	16	F 16 M				27/04
786	G 01 M	5/00	861.88	G 01 F	1/07	864.52	G 01 N	1/14	17	F 16 H	37/00	86,87	F 16 H	33/10
787	G 01 D	1/00	861.89-861.92	G 01 F	1/10	864.53	G 01 N	1/12	17.5	F 16 H	61/06			37/00
788	G 01 N	3/00	861.93	G 01 F	1/11	864.54	G 01 N	1/12	17.8-18.2	F 16 J	15/50	88,89	F 16 H	27/02
		11/00	861.94	G 01 F	1/115			1/14	20	F 16 H	21/00			29/02
789-793	G 01 D	1/16	861.95	G 01 F	1/708	864.55-864.59	G 01 N	1/12			37/16	89.1-89.12	F 16 H	27/02
		7/02	862	G 01 L		864.61,864.62	G 01 N	1/12	21	F 16 H	21/02			29/02
794-798	G 01 N	3/00	862.01	G 01 L	5/00			1/14			27/00			29/20
799	G 01 N	19/08	862.02	G 01 L	5/03	864.63-864.67	G 01 N	1/12			37/16	89.13	F 16 H	27/02
		29/04	862.03	G 01 L	5/13	864.71	G 01 N	1/04	22,23	F 16 H	21/00			29/02
800	G 01 L	1/24	862.04	G 01 D	7/02	864.72	G 01 N	1/12			25/08	89.14,89.15	F 16 H	27/02
801	G 01 N	29/04		G 01 L	5/16	864.73,864.74	G 01 N	1/10			37/16			29/02
802	G 01 M	5/00	862.05	G 01 L	5/22			1/22			27/04			29/20
803	G 01 N	3/00	862.06	G 01 L	5/16	864.81-864.87	G 01 N	1/00	24	F 16 H	37/16	89.16	F 16 H	27/02
804	G 01 N	19/00	862.07	G 01 L	5/04			35/00	25	F 16 H	21/16			29/02
805-807	G 01 N	3/00	862.08	G 01 L	3/00	864.91	B 01 L	3/00			21/40	89.17-89.21	F 16 H	27/02
808-815	G 01 N	3/32	862.09,862.11	G 01 L	3/16	865	G 01 N	9/00			21/50			29/02
816,817	G 01 N	3/00	862.12,862.13	G 01 L	3/18	865.1	G 01 G	23/14			21/52			29/20
818-821	G 01 N	3/08	862.14-862.16	G 01 L	3/20	865.2	G 01 C	9/22	26	B 07 B	1/42	89.22	F 16 H	27/02
822,823	G 01 N	11/00	862.17,862.18	G 01 L	3/22	865.3	G 01 M	19/00			21/16			29/02
824	G 01 N	3/08	862.19	G 01 L	3/20	865.4	A 61 B	5/00			21/40	96-107	F 16 H	21/44
825	G 01 N	3/10	862.21,862.22	B 25 B	23/14			5/16			21/50			21/54
826-837	G 01 N	3/08		G 01 L	5/24	865.5	G 01 N	15/00			21/52			25/18
838-840	G 01 N	3/00	862.23,862.24	B 25 B	23/14	865.6	G 01 N	17/00	27,28	F 16 H	33/20	108	F 16 C	1/10
841-846	G 01 N	3/24		G 01 D	1/00	865.7	G 01 N	33/00			21/02			21/44
847,848	G 01 N	3/22		G 01 L	5/24	865.8	G 01 M	19/00			21/16			21/54
		3/26	862.25,862.26	B 25 B	23/14	865.9	G 01 N	19/00			21/40			25/18
849-854	G 01 N	3/20		G 01 L	5/24	866	G 01 N	33/00			21/50	109,110	F 16 H	21/44
855	G 01 L	1/00	862.27	G 01 D	9/00	866.1	G 01 D	7/02			21/52			21/54
856-860	G 01 N	3/02	862.28	G 01 L	5/24	866.2	G 01 D	1/10	29-35	F 16 H	19/04			25/18
861	G 01 F	1/00	862.29-862.36	G 01 L	3/02	866.3	G 01 D	7/02			19/08	111,112	F 16 H	27/00
861.01-861.03	G 01 F	1/86	862.37	G 01 L	3/14	866.4	G 01 M	19/00	36	F 16 H	21/38			29/00
		15/02	862.38	G 01 L	1/00	866.5	G 01 D	21/00			27/00	113	F 16 H	31/00
861.04	G 01 F	1/74	862.39	G 01 L	5/04						35/00			33/04
861.05	G 01 F	1/708	862.41	G 01 L	5/10	U.S. Class 74					19/06			35/02
	G 01 P	5/18	862.42	G 01 L	5/04	MACHINE ELEMENTS AND MECHANISMS					37/00			43/00
861.06	G 01 F	1/712	862.43	A 63 B	51/00				38	F 16 H	21/26	114	F 16 H	31/00
	G 01 P	5/22		G 01 L	5/04				39-41	F 16 H	21/32			33/04
861.07	G 01 F	1/704	862.44-862.47	G 01 L	5/04				42,43	F 16 H	21/18			35/02
	G 01 P	5/18	862.48	G 01 L	5/10				44	F 16 H	21/22	116	F 16 H	29/00
861.08	G 01 F	1/56	862.49	G 01 L	5/12				45-50	F 16 H	21/18	117	F 16 H	29/04
		1/716	862.51	G 01 D	9/00	1	F 16 H	37/00			21/34	118	F 16 H	29/00
	G 01 P	5/08	862.52	G 01 L	1/26	1.5	F 16 H	27/00			37/12	119	F 16 H	29/08
861.09	G 01 F	1/56	862.53	G 01 D	1/00		G 04 B	15/00			53-55	F 16 H	F 16 H	29/20
		1/64		G 01 L	1/06	2	B 23 Q	11/16			25/16	122	F 16 H	29/00
861.11-861.15	G 01 F	1/58	862.54-862.56	G 01 L	5/00			59/00	56,57	F 16 H	25/12	123,124	F 16 H	29/10
861.16,861.17	G 01 F	1/60	862.57	G 01 L	5/13			61/00			25/16	125	F 16 H	29/00
861.18,861.19	G 01 F	1/20	862.58	G 01 L	1/02			63/00	58,59	F 16 H	25/12	125.5	F 16 D	27/10
861.21	G 01 F	1/66	862.59	G 01 L	1/10			17/00			25/18			29/00
861.22-861.24	G 01 F	1/32	862.61	G 01 L	1/08	3	F 16 H	59/00	60	F 16 H	23/00	126-143	F 16 H	27/02
861.25-861.31	G 01 F	1/66	862.62	G 01 L	1/04			61/00	61	F 16 H	33/00			31/00
861.32,861.33	G 01 F	1/20	862.63	G 01 D	3/04			63/00	62	F 16 H	25/08	144	F 16 D	7/00
861.34	G 01 F	1/32	862.64	G 01 L	1/14	3.2	F 16 H	33/14			25/16			11/00
861.35-861.37	G 01 F	1/78			1/24			59/00	63	F 16 H	21/12			41/00
861.38	G 01 F	1/84	862.65-862.67	G 01 L	1/22			61/00			21/48		F 16 H	27/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 74—Con.									U.S. Class 75					
									METALLURGY					
145-147	F 16 H	29/00	422	F 16 H	1/20	564	G 05 G	1/18				28	C 21 B	
	G 05 G	51/00	423,424	F 16 H	1/04	565,566	G 05 G	1/00					C 21 C	
148	F 16 D	7/00				567,568	F 16 H	53/00				29	C 21 B	
		11/00	424 5-424 8	F 16 H	1/20	569	F 16 H	53/06				30	C 21 B	3/04
		41/00				570-572	G 05 G	1/00						5/04
149,150	F 16 H	27/10	425-427	F 16 H	1/20	573	F 16 F	15/22					C 21 C	5/54
	F 16 D	41/12				574	F 16 F	15/10				31	C 21 B	
	F 16 H	27/00	431-433	F 16 H	55/00	575-578	G 05 G	1/00				32	C 21 C	3/00
151-155	F 16 D	29/00	434-438	F 16 H	55/17							33-39	C 21 B	13/00
	F 16 H	27/00	439	F 16 H	55/12	579	G 05 G	1/00						15/00
		31/00	440,441	F 16 H	55/18	580-594	G 05 G	1/00				40	C 21 B	11/00
		31/00	443	F 16 H	55/14							41,42	C 21 B	5/00
156	F 16 H	51/00	444-451	F 16 H	55/12	594 1-594 7	G 05 G	1/14				43	C 21 C	
	G 05 G		457	F 16 H	55/08	595	F 16 C	3/04					C 22 B	1/248
157-159	F 16 H	27/00	458	F 16 H	55/10	596-605	F 16 C	3/04				44	C 21 C	7/00
		29/00											C 22 B	1/248
		31/00	459-460	F 16 H	55/17	606,607	F 16 H	57/02				45,46	C 21 C	7/00
		51/00	461	F 16 H	55/14	608-617	F 16 P	1/00				47	C 21 C	3/00
			462-466	F 16 H	55/06	625,626	G 05 G	25/00				48-61	C 21 C	7/00
						640	F 16 H	33/00				62	C 22 B	
													C 22 C	
												63	C 22 B	7/00
160 161	G 05 G	27/00	467,468	F 16 H	57/04	645	F 16 H	47/00				64	C 22 B	25/06
	F 16 H	29/00	469,470	G 05 G	1/00	650	F 16 H	35/04				65	C 22 B	
		31/00	471	G 05 G	9/00	655	F 16 H	47/00				66	C 22 B	26/10
		53/00				660	F 16 H	1/28				67	C 22 B	26/20
162-166	F 16 D	41/20	473-475	B 60 K	20/00	661-675	F 16 H	37/06				68	C 22 B	21/00
	F 16 H	27/00				677	F 16 H	47/04				69	C 22 B	30/02
		29/00										70	C 22 B	30/06
		31/00										71	C 22 B	17/00
		55/32				679	F 16 H	37/00				72-76	C 22 B	15/00
167-169	F 16 H	29/20		G 05 G	9/00	681-686	F 16 H	37/06				77	C 22 B	13/00
		55/26				687	F 16 H	47/04				78,79	C 22 B	13/06
190 190 5	F 16 H	15/00	476	F 16 H	61/06	688	F 16 H	47/08				80	C 22 B	47/00
191	F 16 H	15/16		G 05 G	9/00	689	F 16 H	37/00				81	C 22 B	43/00
192	F 16 H	15/16				690,691	F 16 H	37/06				82	C 22 B	23/00
		15/42	477	F 16 H	59/00	694-701	F 16 H	37/08				83	C 22 B	11/00
193	F 16 H	15/16				705	F 16 H	37/06				84	C 22 B	34/00
194-197	F 16 H	15/08				710	F 16 H	1/38				84 1	C 22 B	60/02
198	F 16 H	15/26		G 05 G	9/00	710 5,711	F 16 H	1/44				84 4,84 5	C 22 B	
199-201	F 16 H	15/08				713	F 16 H	1/40				85	C 22 B	25/00
202-205	F 16 H	15/00	478,478 5	G 05 G	9/00	714	F 16 H	1/42				86	C 22 B	
206	F 16 H	13/02				715	F 16 H	1/38				87	C 22 B	19/20
207	F 16 H	13/10	479-490	G 05 G	11/00	718,720	F 16 H	47/00				88	C 22 B	19/04
208,209	F 16 H	13/00		G 05 G	1/00	720 5-724	F 16 H	37/06				89	C 22 B	5/02
210	F 16 H	13/12	491	B 62 D	1/16	730-733	F 16 H	47/00				90	C 22 B	9/14
211-213	F 16 H	13/10	492	B 62 D	1/18	740	F 16 H	37/00				91	C 22 B	5/12
214-216	F 16 H	55/34	493	B 62 D	1/22	745	F 16 H	3/44				92	C 22 B	5/02
216 3	F 16 H	3/00	494	B 62 D	1/16	750	F 16 H	3/74				93-96	C 22 B	9/00
		59/00	495	B 62 D	1/20	751,752	F 16 H	3/44				97	C 22 B	
		61/00	496-499	B 62 C	1/10	753,754	F 16 H	57/10				98	C 22 B	25/06
		63/00	500-501 5	F 16 C	1/12							99	C 22 B	7/00
318-324	F 16 H	19/00	501 6	F 16 C	1/16	755	F 16 H	15/56				100	C 22 B	11/00
325-331	F 16 H	3/08	502	F 16 C	1/10							101-116	C 22 B	3/00
332	F 16 H	3/04	502 1	G 02 B	7/18	756-770	F 16 H	57/10				117	C 22 B	15/00
333,334	F 16 H	3/08	502 2	F 16 C	1/10	772	F 16 H	15/56				118	C 22 B	11/00
335-337 5	F 16 H	59/00	502 3	F 16 C	1/28							119	C 22 B	23/00
		61/00	502 4	F 16 C	1/10	773-794	F 16 H	3/44				120	C 22 B	13/00
		63/00	502 5	F 16 C	1/20									19/00
339,340	F 16 H	3/38				796	F 16 H	15/50				121	C 22 B	
341-351	F 16 H	3/22	502 6	F 16 C	1/22	797	F 16 H	1/28				122,229	B 22 F	1/00
352-354	F 16 H	3/34				798	F 16 H	13/06						3/00
355	F 16 H	3/14	503	G 05 G	1/00	799	F 16 H	1/30						1/00
356-360	F 16 H	3/08	504-511	G 05 G	1/08	800-805	F 16 H	1/28				230,231	C 22 C	29/00
361	F 16 H	3/14	512-514	G 05 G	1/14	810,812	F 16 H	59/00				232-235	C 22 C	29/12
362-375	F 16 H	3/08	515	G 05 G	1/20							236	C 22 C	29/02
376-379	F 16 H	3/14	516-526	G 05 G	1/04							237	C 22 C	29/06
380-391	F 16 H	35/00	527-542	G 05 G	5/06	813-827	B 23 B	29/24				238	C 22 C	29/04
392-394	F 16 H	35/02	543	G 05 G	1/10		B 23 Q	16/00				239	C 22 C	29/02
395	F 16 H	35/06	544-551	G 05 G	1/00							240	C 22 C	29/08
		35/08	551 1	B 62 K	21/12							241,242	C 22 C	29/02
396-399	F 16 H	35/06	551 2	B 62 K	21/14							243	C 22 C	29/00
400-403	F 16 H	35/08	551 3-551 7	B 62 K	21/16							244	C 22 C	29/14
404-406	F 16 H	57/00	551 8	B 62 K	21/12	828-839	F 16 H	35/08				245-250	B 22 F	9/00
409	F 16 H	55/18	551 9	B 62 K	21/26	840-842	F 16 H	35/00				251-255	B 22 F	1/00
410,411	F 16 H	57/00	552	B 62 D	1/04	843-879	B 60 K	41/04				256	B 22 F	1/00
411 5	F 16 H	57/10		G 05 G	1/10									3/00
412	F 16 H	1/02	553-556	G 05 G	1/10							257	B 23 K	35/362
413-415	F 16 H	1/06	557,558	B 62 D	1/06							950,951	C 22 B	1/24
		1/20		G 05 G	1/10									
416	F 16 H	1/12	558 5	G 05 G	1/04									
		1/20												
417,420	F 16 H	1/14	559	G 05 G	1/00									
		1/20	560,561	G 05 G	1/14		F 02 D							
421	F 16 H	1/12	562-563	G 05 G	1/16		G 05 G							

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass IPC Notation			U.S. Subclass IPC Notation			U.S. Subclass IPC Notation			U.S. Subclass IPC Notation			U.S. Subclass IPC Notation		
U.S. Class 76			3.07	B 67 B	7/00			23/04	185 2,186	B 25 B	13/00	104	B 23 B	5/28
METAL TOOLS AND IMPLEMENTS, MAKING					7/92			23/06	300,301	B 25 B	7/00	105	B 23 B	3/22
			3.08	B 67 B	7/00	57.24,57.25	B 25 B	17/00	302	B 25 B	7/12			5/04
			3.09,3.15	B 67 B	7/44			29/00	303-313	B 25 B	7/02	106	B 23 B	5/18
			3.2,3.25	B 67 B	7/00	57.26-57.31	B 25 B	17/00	314	B 25 B	7/04	107	B 23 B	3/22
			3.27	B 65 B	7/16	57.32	B 25 B	13/00	315-328	B 25 B	7/14			5/04
			3.29	B 67 B	7/18			17/00	329	B 25 B	7/02	108	B 23 B	5/18
			3.31,3.32	B 67 B	7/46	57.33-57.35	B 25 B	13/50	330	B 25 B	7/04	109	B 23 B	33/00
			3.33	B 67 B	7/14			17/00	331-340	B 25 B	7/14	110,111	B 23 B	1/00
					7/18	57.36	B 25 B	13/00	341	B 25 B	7/04	112-114	B 23 B	3/22
					7/46			17/00	342	B 25 B	7/12			5/04
			3.35,3.36	B 67 B	7/00	57.37	B 25 B	17/00	343,344	B 25 B	7/04	115,116	B 23 B	3/02
			3.37	B 67 B	7/62			23/02			7/12	117-123	B 23 B	3/00
			3.39	B 67 B	7/00			23/04	345-355	B 25 B	7/12			7/00
			3.4	B 67 B	7/14			23/06	356,357	B 25 B	7/04			9/00
					7/18	57.38	B 25 B	17/00			7/12	124-127	B 23 B	13/00
			3.41	B 67 B	7/14			29/02	358-364	B 25 B	7/12			17/00
					7/15	57.39	B 25 B	13/46	365	B 25 B	1/04	128	B 23 B	3/22
					7/18			17/00	366-384	B 25 B	7/12			5/04
			3.42-3.44	B 67 B	7/14	57.4,57.41	B 25 B	17/00	385-414	B 25 B	7/04	129	B 23 B	3/34
					7/18			29/00	415	B 25 B	7/02	130	B 23 B	5/00
			3.45	B 67 B	7/00	57.42-57.46	B 25 B	13/00	416	B 25 B	7/06	131	B 23 B	3/00
			3.47-3.49	B 67 B	7/04			17/00	417-427	B 25 B	7/02			7/00
			3.5	B 25 B		57.5	B 25 B	17/00	427.5	B 25 B	7/00			9/00
			3.55-3.57	B 67 B	7/16	58-59.1	B 25 B	13/00	429	B 25 B	23/00	132-141	B 23 B	21/00
			3.6	B 25 B		60-63.2	B 25 B	13/46	430-435	B 25 B	23/04	142-147	B 23 B	19/02
			3.7	B 23 P	17/00	64-70	B 25 B	13/52			23/06	148	B 23 B	23/00
			3.8	B 25 B	27/14	73	B 25 B	13/00	436	B 25 B	13/48	149	B 23 B	17/00
			4	B 25 B	9/00	74-76	B 25 B	13/48			15/00	150,151	B 23 B	23/04
			6	G 04 D	3/00	77	B 25 B	13/10			23/00	152-156	B 23 B	3/36
			7	B 23 P	5/00	90.1,90.2	B 25 B	13/28	437	B 25 F	1/00	157-161	B 23 B	29/00
					3/04	90.3-90.7	B 25 B	13/00	438-440	B 25 B	23/00	162-164	B 23 B	25/00
			82.1	B 21 K	19/00	90.8-104	B 25 B	13/28	441-449	B 25 B	23/08	165-167	B 23 B	33/00
			82.2	B 21 D	53/04	105	B 25 B	13/30			23/10	168,169	B 23 B	25/00
					11/06	106	B 25 B	13/28	450	B 25 B	23/00	170	B 23 B	23/02
			83	B 21 K	17/00	107,108	B 25 B	13/30	451-458	B 25 B	23/08			23/04
			84	B 21 K	11/02	109-112	B 25 B	13/28			23/10	171-173	B 23 B	3/00
			85-87	B 21 H	1/02	113,114	B 25 B	13/30	459-462	B 25 B	23/00	900-905	B 23 B	5/00
					19/00			13/32	463-466	B 25 B	19/00			
			88,89	B 21 K	5/12	115,116	B 25 B	13/32	467	B 25 B	23/14	U.S. Class 83		
			89.1	B 21 K	11/00	117	B 25 B	13/28	468	B 25 B	23/145	CUTTING		
			89.2	B 21 K	5/12	118	B 25 B	13/30	469,470	B 25 B	23/151			
					11/00	119	B 25 B	13/02	471	B 25 B	23/153			
			101	B 21 K	21/00	120	B 25 B	13/04	472	B 25 B	23/155			
			102	B 21 K	5/02	121.1	B 25 B	13/06	473-476	B 25 B	23/157	13	B 26 D	1/00
			103	B 21 H	7/06	122,123	B 25 B	13/06	477	B 25 B	23/159			3/00
					15.2			13/48	478	B 25 B	23/142	14	B 26 D	7/08
			104	B 21 K	11/10			3/00			23/159	15,16	B 26 D	7/10
			105	B 21 D	53/62	124.1	B 25 B	13/02	479	B 25 B	23/144	17-21	B 26 D	7/14
					15.8	124.2-124.7	B 25 B	13/00			23/159	22	B 26 D	7/08
			106	B 21 K	21/00	125	B 25 B	13/02	480-483	B 25 B	23/159	23-29	B 26 D	7/06
			107	B 21 K	5/20	125.1	B 25 B	13/00	484-486	B 25 B	11/00	30	B 26 F	1/24
			108	B 21 K	5/02	126,127	B 25 B	13/12			25/00	31-36	B 26 D	1/00
			109	B 21 H	7/04	128	B 25 B	13/18	487	B 25 H	3/00			3/00
					11/00	129	B 25 B	13/12	488	B 25 B		37,38	B 23 D	25/02
			110	B 21 K	13/00	129.5-149	B 25 B	13/22	489	B 25 G	1/01			1/56
			111	B 21 H	7/08	150,151	B 25 B	13/12	490	B 25 G	1/08	39-56	B 26 D	3/00
					11/14			13/34	491	B 25 G	3/00	57,58	B 26 D	5/00
			112	B 23 D	63/00	152-154	B 25 B	13/12	492	B 25 G	1/00	59	B 26 D	5/10
			113	B 21 D	53/66	155-176	B 25 B	13/16				60-62	B 26 D	5/00
					7/02	176.1,176.15	B 25 B	13/48				62.1	B 27 B	3/28
					11/12			13/56						13/00
			114	B 21 K	5/16	176.2	B 25 B	13/48	U.S. Class 82			63	B 26 D	5/20
					26	176.3	B 25 B	13/10	TURNING			64-67	B 26 D	5/40
					27			13/56				68	B 26 D	5/20
						177.1	B 25 B	23/16	1.11	B 23 B	3/00	69,70	B 26 D	5/10
								1/00	1.12	B 23 B	17/00	71	B 26 D	5/00
						177.2	B 25 B	23/16	1.2	B 23 B	41/00	72-75	B 23 Q	15/00
								1/04	1.3	B 23 B	41/04			5/00
						177.3	B 25 B	23/16	1.4,1.5	B 23 B	41/06	76	B 26 D	5/20
								1/00	11-12	B 23 B	3/28			5/40
						177.4	B 25 B	23/16	13	B 23 B	3/22	77	B 26 D	7/00
								1/08			3/28	78-92	B 26 D	7/06
						177.5	B 25 B	23/16	15,16	B 23 B	5/36	92.1	B 23 D	19/00
								1/00	17	B 23 B	3/36			45/00
						177.6	B 25 B	23/16	18,19	B 23 B	3/28			7/00
								1/02	46	B 23 B	5/14	93-102	B 26 D	7/06
						177.7,177.75	B 25 B	23/16	47	B 23 B	1/00	102.1	B 23 D	19/00
								1/00	48	B 23 B	7/00			45/00
						177.8	B 25 B	23/16	49-53	B 23 B	37/00			3/28
						177.85	B 25 B	23/16	53.1	B 23 B	27/00			5/06
								1/00	54-58	B 23 B	3/06	103-155	B 26 D	7/06
						177.9	B 25 B	23/16	59-102	B 23 B	3/04	155.1	B 23 Q	7/00
						178	B 25 B	13/10			5/14			5/02
						179	B 25 B	13/12			5/00			13/00
						180.1-185.1	B 25 B	13/58	103	B 23 B	5/00			
U.S. Class 79			28	B 25 G	3/02									
BUTTON MAKING			29-33	B 25 G	3/18									
			34-37	B 25 G	3/02									
			44	B 25 C	3/00									
			45	E 04 D	15/00									
			46	E 04 F	15/00									
			52	B 25 B	13/00									
					21/00									
			53.1	B 25 B	23/16				15,16	B 23 B	5/36			
			53.11,53.12	H 01 K	3/32				17	B 23 B	3/36			
			53.2	B 25 B	13/50				18,19	B 23 B	3/28			
			54	B 25 B	13/00	177.7,177.75	B 25 B	23/16	46	B 23 B	5/14	93-102	B 26 D	7/06
					21/00				47	B 23 B	1/00	102.1	B 23 D	19/00
			55	B 25 B		177.8	B 25 B	23/16	48	B 23 B	7/00			45/00
			56,57	B 25 B	17/00	177.85	B 25 B	23/16	49-53	B 23 B	37/00			3/28
			57.11-57.14	B 25 B	17/00				53.1	B 23 B	27/00			5/06
					21/00	177.9	B 25 B	23/16	54-58	B 23 B	3/06	103-155	B 26 D	7/06
			57.15-57.21	B 25 B	17/00	178	B 25 B	13/10	59-102	B 23 B	3/04	155.1	B 23 Q	7/00
			57.22,57.23	B 25 B	17/00	179	B 25 B	13/12			5/14			5/02
					23/02	180.1-185.1	B 25 B	13/58	103	B 23 B	5/00			13/00
U.S. Class 81														
TOOLS														
			2	B 25 F	1/00									
			3.05	B 25 B	27/00									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 83—Con.														
156-166	B 26 D	7/06	425.2-435	B 26 D	7/26	632	B 26 D	5/14	732,733	B 26 D	7/06	767	B 26 D	1/54
167	B 26 D	7/00	435.1	B 26 D	7/06	633-638	B 26 D	5/08		B 27 B	3/00		B 27 B	7/22
168,169	B 26 D	7/08		B 27 B	7/06	639	B 26 D	5/12	734	B 23 D	3/16		B 27 B	21/00
170,171	B 26 D	7/10	435.2	B 26 D	7/06	640-647.5	B 26 D	5/08		B 26 D	5/20		B 27 B	27/06
174	B 26 D	7/08		B 27 B	3/28	648-650	B 26 D	7/00		B 27 B	3/28	768	B 27 B	3/00
174.1	B 23 D	19/00			13/00	651	B 26 D	1/00			29/02			19/02
		45/00	436-440	B 26 D	7/06	651.1	B 26 D	1/44	743	B 26 D	5/00	769-774	B 26 D	7/00
	B 26 D	7/12	440.1	B 23 D	19/00	652-657	B 26 F	1/45		B 27 B	5/00		B 27 B	11/00
175,176	B 26 D	7/14		B 26 D	1/14	658,659	B 26 F	7/20	744	B 26 D	5/00	775	B 27 B	11/00
177	B 26 F	3/00	440.2	B 26 D	7/06	660	B 26 D	1/24		B 27 B	11/00	776	B 27 B	19/12
178-195	B 23 D	21/14		B 27 B	3/28	661	B 26 D	1/46	745	B 26 D	5/00	777	B 27 B	19/10
195-200	B 26 D	1/00	441	B 26 D	7/06	662	B 26 D	1/00		B 27 B	3/00		B 27 B	19/12
200.1	B 26 D	1/48	441.1	B 26 D	7/06	663-672	B 26 D	1/12			5/18	778	B 27 B	11/00
202-210	B 26 D	5/20		B 27 B	11/02	673-676	B 23 D	35/00			17/00		B 27 B	19/12
211,212	B 26 D	5/28			11/04	677,678	B 26 D	1/12	746	B 23 D	7/00	779	B 27 B	11/00
212.1	B 26 D	1/38			13/10	679,680	B 26 D	1/00		B 27 B	19/00	780	B 26 D	7/06
		1/40	442-450	B 26 D	7/06	681,682	B 26 D	1/12	747	B 26 D	7/00		B 27 B	19/10
		1/42	451-465	B 26 D	7/02	683	B 26 F	1/12		B 27 B	3/00			19/12
		11/00	466	B 26 D	7/02	684-691	B 26 F	1/14	748	B 26 D	7/00			29/02
213-283	B 26 D	5/20			7/04	692,693	B 26 D	1/00		B 27 B	3/00	781	B 27 B	3/00
284	B 23 D	25/02	466.1	B 26 D	7/02	694-701	B 26 D	19/00	749	B 26 D	7/06		B 27 B	19/10
	B 26 D	1/56	467,468	B 26 D	7/01	703	B 23 D	7/06		B 27 B	3/28	782	B 27 B	5/00
285-298	B 23 D	25/00	469	B 23 D	19/00		B 27 B	5/18			11/00			19/02
	B 26 D	1/56		B 26 D	1/14	704	B 26 D	7/06	750	B 26 D	5/02	783	B 27 B	3/00
299-307	B 26 D	1/56	471	B 23 D	19/00		B 27 B	5/16		B 27 B	11/00			11/08
307.1,307.2	B 23 D	25/02		B 26 D	1/14	705	B 26 D	7/06			15/06	784	B 27 B	19/10
307.3	B 23 D	25/02	471.1	B 23 D	19/00		B 27 B	5/02	751	B 23 D	19/00			3/00
		1/56		B 26 D	1/14	706	B 26 D	7/06		B 26 D	45/00	785	B 27 B	19/10
308-314	B 23 D	25/02		B 27 B	5/00		B 27 B	5/02		B 27 B	7/00	786	B 27 B	11/00
	B 26 D	1/56	471.2,471.3	B 23 D	19/00	707	B 26 D	7/06		B 27 B	3/00	788,789	B 23 D	53/00
315-317	B 23 D	25/06		B 26 D	1/14		B 27 B	5/02	752	B 26 D	7/00			55/00
	B 26 D	1/56		B 27 B	5/00			29/04		B 27 B	11/00		B 27 B	13/00
318-320	B 23 D	25/04			5/18			31/04			19/10	790	B 23 D	53/00
	B 26 D	1/56	472-477	B 23 D	19/00	708	B 27 B	29/02	753	B 26 D	7/00			55/00
321-342	B 23 D	25/02		B 26 D	1/14			31/04		B 27 B	19/10		B 27 B	13/00
	B 26 D	1/56	477.1	B 23 D	19/00	709	B 26 D	7/06	754	B 23 D	45/00	792	B 26 D	1/46
343-348	B 26 D	1/56		B 27 B	5/00		B 27 B	29/02		B 26 D	7/00		B 27 B	15/02
349	B 23 D	25/02		B 26 D	5/34	710	B 26 D	7/06		B 27 B	3/00	793	B 23 D	53/00
	B 26 D	1/56	477.2	B 23 D	19/00		B 27 B	31/02	755	B 26 D	7/00		B 27 B	13/00
350,351	B 26 D	5/20		B 26 D	1/18	711	B 26 D	31/04		B 27 B	11/00			15/06
352	B 26 D	5/26		B 27 B	3/28		B 27 B	7/06			21/00	794	B 23 D	53/00
353-357	B 26 D	5/20			27/04			29/02	756	B 26 D	5/08		B 27 B	5/00
358	B 23 D	36/00	478-482	B 23 D	19/00		B 27 B	31/02		B 27 B	7/00			13/00
	B 26 D	5/00		B 26 D	1/14	712	B 26 D	7/06		B 23 D	45/00		B 23 D	15/06
359	B 26 D	5/08	483-490	B 23 D	19/00		B 27 B	31/02	757	B 26 D	7/00	795	B 23 D	53/00
360-369	B 26 D	5/00		B 26 D	1/18			31/04		B 27 B	3/00			55/00
370-372	B 26 D	5/38	491-494	B 23 D	19/00	713	B 26 D	7/06			23/00		B 27 B	17/00
373,374	B 26 D	5/00		B 26 D	1/14		B 27 B	31/04	758	B 26 D	7/00	796	B 26 D	1/46
375-390	B 26 D	5/42	495-504	B 23 D	19/04		B 27 B	7/06		B 27 B	11/00		B 27 B	3/28
391-400	B 26 D	5/00		B 26 D	1/24	714-716	B 26 D	29/04			21/00			13/04
401-403	B 26 D	7/06	505,506	B 23 D	19/04		B 27 B	19/00	759	B 02 C	11/04			15/02
403.1	B 26 D	5/00		B 26 D	1/22	717	B 23 D	45/00			23/02	797	B 26 D	1/46
	B 27 B	5/18	507	B 23 D	19/04		B 26 D	1/44		B 26 D	7/00		B 27 B	13/00
		19/12		B 26 D	1/24			7/06	760	B 26 D	7/00			13/04
		25/02	508	B 23 D	19/02	718-720	B 23 D	45/00		B 27 B	11/00			15/02
404	B 26 D	7/06		B 26 D	1/20		B 26 D	7/06	761	B 26 D	1/54	798	B 23 D	53/00
404.1,404.2	B 26 D	5/00	508.1,508.2	B 23 D	19/00		B 27 B	29/08			7/00			55/00
	B 27 B	5/00		B 26 D	1/14			7/06		B 27 B	7/22		B 26 D	1/46
404.3	B 26 D	1/44		B 27 B	5/00	721	B 26 D	7/06			11/00		B 27 B	15/02
		7/20	508.3	B 26 D	1/14		B 27 B	7/06		B 27 B	21/00		B 23 D	17/00
		7/26		B 27 B	5/00			7/06			7/22			55/00
404.4	B 26 D	5/00			5/34			29/02	762	B 26 D	1/54		B 26 D	1/46
	B 27 B	5/00	509-512	B 26 D	1/02		B 27 B	29/08		B 27 B	7/22	799	B 23 D	53/00
		25/02	513,514	B 26 D	11/00	722-727	B 26 D	7/06			21/00			55/00
405,406	B 26 D	7/06	515-518	B 26 D	9/00		B 27 B	7/06		B 27 B	11/00		B 26 D	1/46
406.1	B 26 D	1/44	519	B 26 D	11/00	728	B 26 D	7/06			19/00	800	B 27 B	17/00
		7/20	520,521	B 26 D	7/00		B 27 B	5/18	763	B 26 D	1/54		B 23 D	53/00
407-409	B 26 D	7/06	522	B 26 D	7/27			29/08			7/22			55/00
409.1	B 23 D	19/00			7/28	729	B 23 D	19/00	764	B 26 D	1/54		B 26 D	1/46
		45/00	523-581	B 26 D	5/08			45/00		B 27 B	7/22		B 27 B	15/02
	B 27 B	5/02	581.1	B 26 D	5/00		B 26 D	7/06		B 26 D	1/54	801	B 23 D	53/00
		5/18		B 27 B	19/10	730	B 23 D	19/00			7/22			55/00
		13/00	582-601	B 26 D	5/08			45/00	765	B 27 B	3/00		B 26 D	1/46
409.2	B 23 D	19/00	602	B 26 D	5/16		B 27 B	7/06		B 26 D	1/54		B 27 B	17/00
		45/00	603	B 26 D	5/08			29/08			7/22	802	B 23 D	53/00
	B 27 B	5/00	604	B 26 D	5/18	731	B 26 D	7/06		B 27 B	21/00			55/00
410-425	B 26 D	7/06	605-627	B 26 D	5/08		B 27 B	3/00	766	B 27 B	13/00		B 26 D	1/46
	B 02 C	11/04	628	B 26 D	5/16			29/04			21/00		B 27 B	13/00
425.1	B 26 D	23/02	629	B 26 D	5/08									
		1/44	630	B 26 D	5/18									
	B 26 D	7/20	631	B 26 D	5/08									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 83—Con.														
803	B 26 D	15/02	859	B 26 D	1/02	299	G 10 D	3/00	23	F 42 D	1/08	4 05-4.5	F 41 A	7/00
	B 27 B	13/00		B 26 D	1/00	300-303	G 10 D	3/12		F 42 B	33/02	5	F 41 F	5/00
804	B 26 D	1/48	860	B 27 B	3/00	304-306	G 10 D	3/14	24	F 42 B	33/00			3/08
		1/50		B 27 B	3/28	307-311	G 10 D	3/04			33/02	6,6.5	F 42 C	3/10
		1/54	861		13/00	312	G 10 D	3/14			35/02	17/00		
	B 27 B	15/08		B 26 D	3/00	313	G 10 D	3/00	25-31	F 42 B	33/02	7	F 41 F	
805	B 26 D	1/46	862-865	B 26 D	11/00	314	G 10 D	3/06	32	F 42 B	33/04	8	F 41 F	1/00
	B 27 B	13/00	866-868	B 26 F	1/24	315-319	G 10 D	3/00	33	F 42 B	33/02	9-12	F 41 A	
		15/08	869	B 26 D	3/02	320-325	G 10 D	3/16	36-38	F 42 B	33/10		F 41 F	1/00
806	B 26 D	1/48	870-874	B 26 D	3/00	326	G 10 D	3/08	39-41	F 42 B	33/12	13.1	F 41 A	
	B 27 B	15/08		B 26 F	1/18	327	G 10 D	3/00	42,43	F 42 B	10/00		F 41 F	1/00
		1/50	875-878	B 26 D	3/06		G 10 G	5/00			12/00	14.05	F 41 A	21/00
	B 26 D	1/48	879-887	B 26 D	3/08	328	G 10 D	3/18			30/00	14.1	F 41 A	13/00
		1/54		B 31 B	1/25	329	G 10 D	3/00	44	F 42 B	5/26		F 41 A	21/00
	B 27 B	13/00				330	G 10 D	7/00	45,46	F 42 B	33/00	14.2-16	F 41 A	21/00
807	B 26 D	1/46	U.S. Class 84			331	G 10 B	1/00	47	F 42 B	39/00	17	F 41 A	3/00
		1/48	MUSIC			332-345	G 10 B	3/10	48	F 42 B	39/10		F 41 C	27/00
		1/50				346,347	G 10 B	3/16	49	F 42 B	33/06	18-26	F 41 A	3/00
808	B 23 D	53/00				348	G 10 B	3/18	50	F 42 B	33/00	27.11-28.2	F 41 A	19/00
		55/00	1	G 10 D		349,350	G 10 B	3/08				29-31	F 41 A	21/00
	B 26 D	1/46	1.01	G 10 H	1/00	351,352	G 10 B	1/08	U.S. Class 87			33.01-33.5	F 41 A	9/00
	B 27 B	13/00	1.02	G 11 B	31/00	353	G 10 B	3/14	TEXTILES, BRAIDING, NETTING AND LACE MAKING			34	F 41 A	9/61
809-811	B 26 D	13/14	1.03	G 10 F	1/00	354	G 10 B	1/08				35.01,35.02	F 42 B	39/00
	B 27 B	13/00	1.04-1.16	G 10 H	3/00	355-358	G 10 B	3/02	1	D 06 P	7/00	36.01	F 41 H	5/00
		13/14	1.17,1.18	G 10 H	3/06	359-364	G 10 B	3/00	2	D 04 C	1/02	36.02	F 41 H	5/02
812	B 26 D	13/00	1.19-1.21	G 10 H	1/02	365-371	G 10 B	3/10	3,4	D 04 C	1/00	36.03	F 41 H	5/18
	B 27 B	13/14	1.22,1.23	G 10 H	1/06	372	G 10 B	3/16			1/06	36.04	F 41 H	5/24
		1/46	1.24	G 10 H	1/02	373	G 10 B	3/10	5-11	D 04 C	1/00	36.05	F 41 H	5/08
813	B 26 D	13/00	1.25	G 10 H	1/04	374	G 10 B	3/18	12	D 04 C	1/00	36.06	F 41 H	5/12
	B 27 B	13/04	1.26,1.27	G 10 H	1/02	375,376	G 10 D	11/00	13	D 04 C	3/32	36.07	F 41 H	7/00
		1/46	1.28	G 10 H	3/03	377-379	G 10 D	7/12	14,15	D 04 C	3/24	36.08	F 41 H	7/02
814	B 26 D	15/02	2.3	G 10 F	1/22	380,381	G 10 D	7/00	16	D 04 C	3/28	36.09	F 41 H	5/14
	B 27 B	53/00	4.5	G 11 B	31/02	382	G 10 D	7/06	17	D 04 C	3/28	36.11	B 64 D	7/00
		55/00	6	G 10 F	1/22	383	G 10 D	9/02	18,19	D 04 C	3/38	36.12	B 63 G	9/00
	B 23 D	53/00	7	G 10 F	1/16	384	G 10 D	7/02	20-22	D 04 C	3/24	36.13	F 41 H	5/20
	B 26 D	1/46	8.9	G 10 F	1/20	385	G 10 D	7/08	23	D 06 P	7/00	36.14	F 41 H	5/26
	B 27 B	3/28	10,11	G 10 F	1/18	386	G 10 D	9/00	24-27	D 04 C	5/00	36.15	F 41 H	13/00
815	B 23 D	53/00	12	G 10 F	1/00	387,388	G 10 D	7/10	28	D 04 C	3/08	36.16	F 41 H	11/02
		55/00	13	G 10 F	1/02	389-394	G 10 D	9/04	29	D 04 C	3/12	36.17	F 41 H	11/00
	B 26 D	13/00	14,15	G 10 F	1/04	395-397	G 10 D	7/10	30	D 04 C	3/08	37.01	F 41 A	23/00
	B 27 B	13/14	16-82	G 10 F	1/02	398,399	G 10 D	9/02	31	D 04 C	3/48	37.02	F 41 H	11/02
816	B 26 D	13/00	83-85	G 10 F	1/12	400	G 10 D	9/06	32-34	D 04 C	3/48	37.03,37.04	F 41 A	23/00
	B 27 B	13/00	86	G 10 F	1/14	401	G 10 D	7/10	35	D 04 C	3/00	37.05	F 41 F	1/06
		13/14	87-92	G 10 F	1/12	402-410	G 10 D	13/08	36	D 04 C	3/34	37.06	F 41 A	23/00
817-820	B 26 D	15/08	93-101	G 10 F	1/06	411-418	G 10 D	13/04	37,38	D 04 C	3/24	37.07	F 41 A	25/00
	B 27 B	13/00	102-104	G 10 F	1/08	419	G 10 D	13/02	39,40	D 04 C	3/28	37.08	F 41 A	27/00
		13/14	105-114	G 10 F	3/00	420-422.4	G 10 D	13/02	41	D 04 C	3/00	37.09	F 41 A	23/00
821	B 26 D	5/00	115-121	G 10 F	5/00	423-451	G 10 C	3/12	42	D 04 C	3/06		F 41 G	1/44
	B 27 B	13/00	122-145	G 10 F	5/06	452	G 10 G	3/00	43	D 04 C	3/04	37.11	F 41 A	25/00
822	B 26 D	11/02	146-166	G 10 F	5/04	453	G 10 G	3/00	44-48	D 04 C	3/48	37.12	F 41 A	27/00
	B 27 B	5/00	167-169	G 10 F	5/00	454-457	G 10 G	7/02	49	D 04 C	3/02	37.13	F 41 A	19/00
823	B 26 D	5/00	170,171	G 10 D	15/00	458-460	G 10 G	7/00	50,51	D 04 C	1/00	37.14	F 41 A	25/00
	B 27 B	3/00	172	G 10 C	5/00	461	G 10 G	3/04	52	D 04 C	7/00	37.15	F 41 H	1/00
		11/02	173	G 10 D	1/00	462	G 10 G	3/00				37.16	B 64 D	7/00
824	B 26 D	5/00	174-176	G 10 C	1/00	463	G 10 G	3/00	53	D 04 G	3/48	37.17	F 41 A	23/00
	B 27 B	11/02	177-183	G 10 C	3/02	464	A 63 J	17/00	54	D 04 C	3/14	37.18	F 41 A	19/05
825-828	B 26 D	5/00	184-186.2	G 10 C	3/04	465-469	G 09 B	15/06	55-57	D 04 C	7/00	37.19-40.01	F 41 A	23/00
	B 27 B	11/02	187	G 10 C	3/06	470	G 09 B	15/00	58-60	D 04 C	3/06	40.02	F 41 A	23/00
		13/10	188	G 10 C	3/08	471-477	G 09 B	15/02	61	D 04 C	3/36	40.03	F 41 F	1/06
829	B 26 D	1/46	189-195	G 10 C	3/06	478-482	G 09 B	15/08	62	D 04 C		40.04-40.16	F 41 H	7/00
		5/00	196-199	G 10 C	3/08	483.1	G 09 B	15/00				41.01	F 41 G	3/00
	B 27 B	11/02	200-208	G 10 C	3/10	483.2	G 09 B	15/02				41.02	F 41 A	27/00
830-834	B 26 D	13/00	209-214	G 10 C	3/04	484,485	G 09 B	15/00				41.03	F 41 G	3/08
	B 27 B	33/02	215-220	G 10 C	3/00	486-521	G 10 G	7/00				41.04	F 41 A	27/00
		33/14	221-224	G 10 C	3/18							41.05	F 41 G	5/06
835	B 23 D	57/00	225-233	G 10 C	3/26	U.S. Class 86						41.06	F 41 G	1/32
	B 27 B	13/02	234	G 10 C	3/00	AMMUNITION AND EXPLOSIVE-CHARGE MAKING						41.07	F 41 G	5/06
		33/14	235	G 10 C	3/30	1.1	C 06 B	21/00				41.08	F 41 G	5/12
836	B 23 D	57/00	236-243	G 10 C	3/18	10	F 42 B	3/00				41.09	F 41 G	5/14
		59/00	244-246	G 10 C	3/20			5/02				41.11	F 41 G	3/10
	B 27 B	33/02	247-255	G 10 C	3/18			33/00				41.12	F 41 G	5/04
837	B 23 D	57/00	256,257	G 10 C	1/00	11,12	F 42 B	7/02				41.13	F 41 G	3/04
	B 27 B	33/12	258	G 10 C	1/06			33/00				41.14,41.15	F 41 G	5/20
		33/02	263	G 10 D	1/00			33/00				41.16	F 41 G	5/02
838,839	B 23 D	57/00	264-266	G 10 D	1/04			33/00				41.17-41.19	F 41 G	1/00
	B 27 B	33/12	267	G 10 D	1/08			33/00				41.21,41.22	F 41 G	5/18
		33/02	268	G 10 D	1/06			33/00						
840-845	B 23 D	57/00	269-273	G 10 D	1/10			33/00						
	B 27 B	33/02	274-283	G 10 D	1/02			33/00						
		33/12	284	G 10 D	1/00			33/00						
846-855	B 23 D	57/00	285-289	G 10 D	1/12			33/00						
	B 27 B	33/02	290-293	G 10 D	3/00			33/00						
		1/02	294-296	G 10 D	3/02			33/00						
856,857	B 26 D	1/02	297	G 10 D	3/00			33/00						
858	B 02 C	11/04	298	G 10 D	3/04			33/00						

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC			
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	
U.S. Class 89—Con.						30	F 01 B	25/04	255,256	F 01 L	31/00		F 15 B		142	F 01 B	31/00	
			11	F 01 B	29/04	257	F 01 L	31/18	472	F 01 B	13/04		F 01 B		143	F 01 B	29/00	
42 01	F 41 A	25/00	12-15	F 01 L	29/06	258,259	F 01 L	31/00	473-490	F 01 B	1/00		F 01 B		144	F 01 B	31/08	
42 02	F 41 A	23/00	16	F 01 B	25/02	260	F 01 L	31/02			3/00		F 01 B		145	F 01 B	23/00	
		25/00	17	F 01 B	25/06	261	F 01 L	31/06			13/04		F 01 B		146,147	F 01 B	1/00	
42 03-44 02	F 41 A	25/00	18	F 01 B	25/04	262	F 01 L	31/16	491-498	F 01 B	1/06		F 01 B		148	F 01 B	1/06	
45	F 41 A	9/00	19-21	F 01 B	25/02	263	F 01 L	25/02			13/06		F 01 B		149	F 01 B	1/04	
	F 42 B		22-27	F 15 B	15/22	264,265	F 01 L	15/14	499-507	F 01 B	3/00		F 01 B		150-152	F 01 B	7/00	
46	F 41 A	9/00	28-33	F 15 B	13/04	266	F 01 C	9/00			13/04		F 01 B		153-160	F 01 B	31/10	
47	F 41 A	9/00	34	F 01 B	29/04	267,268	F 01 L	15/14	508-536	F 15 B	11/00		F 01 B		161,161 5	F 01 B	29/00	
		9/39	35-40	F 15 B	21/02	269	F 01 L	31/02			13/00		F 01 B		162-164	F 01 B	31/00	
		15/00	41-45	F 15 B	15/26	270	F 01 L	33/02					F 16 J		165-168	F 16 J	15/18	
		3/00	46	F 01 B	31/10			33/04					F 01 B		169-171 1	F 01 B	11/02	
125	F 41 A	1/00	47-49	F 15 B	13/02	271-273	F 01 L	15/16	U.S. Class 92								F 16 J	1/00
126	F 41 F	1/10	50	F 01 L	15/02	274	F 01 L	31/00	EXPANSIBLE CHAMBER DEVICES								F 16 J	1/00
127,128	F 41 A		51,52	F 15 B	13/02	275	F 01 L	25/08	1	F 15 B	21/04		F 16 J		172	F 16 J	1/00	
	F 41 C	27/00	53	F 02 H	7/00	276	F 01 L	17/00	2	F 01 B	21/00		F 16 J		173,174	F 01 B	31/00	
	F 41 F	1/00	54	F 01 B	29/04	277	F 01 L	31/00	3	F 04 B	17/00		F 16 J		175	F 16 J	1/00	
129 01,129 02	F 41 A	19/02	55	F 01 B	23/00	278	F 01 L	25/02	5	F 01 B	25/26		F 01 B		176	F 01 B	31/08	
		19/67	59	F 01 C	21/12	279	F 01 L	31/00	6,7	F 01 B	31/12		F 16 J		177	F 16 J	1/00	
130,131	F 41 A	19/02	61	F 01 B	13/00	280-289	F 01 L	25/02	8-12	F 15 B	15/22		F 16 J		178	F 16 J	1/02	
		19/03	151	F 01 B	1/00	290-302	F 01 L	25/04	12 1	F 01 B	1/06		F 16 J		179	F 16 J	1/14	
		19/67		F 04 B	19/14	303-320	F 01 L	25/02			31/00		F 01 B		181-185	F 01 B	31/00	
132	F 41 A		152-156	F 01 B	1/00	321	F 01 B	7/18	13 2	F 01 B	31/14		F 01 B		186	F 01 B	31/08	
	F 41 F	1/00	157,158	F 01 L	15/14	322	F 01 L	31/00			15/24		F 15 B		187-191	F 16 J	1/14	
133	F 41 A	19/05	159-166	F 01 B	1/00	323	F 01 L	15/16	13 1	F 01 B	1/06		F 15 B		192	F 16 J	9/00	
134-138	F 41 A		167,168	F 15 B	11/18	324	F 01 L	15/14	12 2	F 01 B	13/06		F 01 B		193-207	F 16 J	1/06	
	F 41 C		169	F 01 B	7/20	325	F 01 L	21/02			3/00		F 01 B		208-239	F 16 J	1/04	
	F 41 F		170	F 01 B	1/00	326	F 01 L	19/00			13/04		F 01 B		240-246	F 16 J	9/00	
139-147	F 41 A	5/00			7/00	327	F 01 L	33/00	13	F 01 B	9/02		F 01 B		247	F 16 J	9/08	
		9/01	171	F 01 B	25/04	328,329	F 01 L	15/18			31/14		F 01 B		248-254	F 16 J	9/00	
		9/38		F 15 B	11/22	330-332	F 01 L	31/00	13 1	F 01 B	15/24		F 15 B		255-260	F 16 J	1/00	
		3/00	172	F 01 B	1/00	333	F 01 B	25/06	13 2	F 01 B	15/24		F 01 B		261	F 02 F	7/00	
148-179	F 41 C	7/00	173	F 01 B	7/20	334	F 01 L	29/00			31/14		F 01 B		U.S. Class 98			
	F 41 A		174	F 01 B	1/08	335	F 01 L	15/14			15/24		F 15 B		VENTILATION			
	F 41 C		176	F 01 B	15/00	336	F 01 B	25/06	13 3-13 8	F 01 B	15/24		F 01 B		1	F 24 F		
180	F 41 A	3/00	177	F 01 C	9/00	337	F 01 L	31/08			31/14		F 15 B		1 5	B 64 D	13/00	
181	F 41 A		178	F 01 L	15/00	338	F 01 L	31/02			15/24		F 15 B		2	B 60 H	1/00	
	F 41 C		179	F 01 L	33/04	339,340	F 01 C	9/00	14	F 15 B	15/22		F 15 B				1/34	
	F 41 F		180	F 01 L	33/02	341-343	F 01 L	23/00	15-28	F 15 B	15/26		F 15 B		2 01	B 60 H	1/00	
182	F 41 A	3/00	181	F 01 B	7/04	344-347	F 01 L	31/00	29	F 01 B	9/00		F 01 B		2 02	E 04 H	14/00	
183-186	F 41 A		182	F 01 L	15/00	348	F 01 L	31/00	30	F 16 J	1/00		F 01 B		2 03	B 60 H	1/00	
	F 41 C					349	F 01 L	31/18	31-33	F 01 B	3/00		F 01 B		2 04	B 60 H	1/00	
	F 41 F		183	F 01 B	1/00	350,351	F 01 L	31/00	34-47	F 01 B	19/00		F 01 B		2 05	B 60 S	1/58	
187 01,187 02	F 41 A	3/00	184	F 01 L	21/02	352	F 01 L	31/18	48-50	F 01 B	7/20		F 01 B		2 06,2 07	B 60 H	1/10	
188	F 41 A		185	F 01 L	15/00	353,354	F 01 L	31/00	51-53	F 01 B	13/06		F 01 B		2 08	B 60 H	1/03	
	F 41 C				33/00	355,356	F 15 B	11/15	54,55	F 01 B	13/00		F 01 B				1/14	
	F 41 F		186	F 01 B	1/00	357	F 15 B	9/02	56,57	F 01 B	13/04		F 01 B		2 09,2 1	B 60 H	1/00	
189	F 41 A	3/00	187	F 01 L	31/00	358,359	F 15 B	13/16	58	F 01 B	13/06		F 01 B		2 11	B 60 S	1/54	
190	F 41 A		188-195	F 01 L	15/00	360	F 15 B	20/00	58 1	F 01 B	31/00		F 01 B				1/32	
	F 41 C				33/00	361,362	F 15 B	13/16	59	F 01 B	29/04		F 01 B		2 12,2 13	B 60 J	1/20	
	F 41 F		196	F 01 B	15/00	363	F 15 B	9/03	60,60 5	F 01 B	31/14		F 01 B		2 14,2 15	B 60 H	1/26	
191 01,191 02	F 41 A	5/00	197	F 01 B	13/00			9/09					F 01 B		2 16,2 17	B 60 H	1/28	
192	F 41 A		198	F 01 B	15/00	364-367	F 15 B	13/16					F 01 B		2 18,2 19	B 60 H	1/24	
	F 41 C		199	F 01 B	15/04	368-380	F 15 B	9/10	61	F 01 B	1/02		F 01 B		3-24	B 60 L		
	F 41 F		200	F 01 B	15/06	381	F 15 B	9/12	62,63	F 01 B	7/00		F 01 B		25-28	B 60 J	1/20	
193	F 41 A	5/00	201	F 01 B	15/00	382-384	F 15 B	9/10	64	F 01 B	21/02		F 01 B		29-31	F 24 F	7/00	
194,195	F 41 A		202	F 01 B	15/02	385-390	F 15 B	13/16	65	F 01 B	7/10		F 01 B		31 5,31 6	F 24 F	7/00	
	F 41 C		203	F 01 B	15/00	391	F 15 B	13/10	66	F 01 B	15/00		F 01 B		32	F 24 F	13/00	
	F 41 F		204	F 01 L	21/00	392	F 15 B	15/20	67	F 01 B	7/04		F 01 B		33 1	F 24 F	7/00	
196	F 41 A		205	F 01 L	31/00	393	F 15 B	21/10	68	F 01 B	7/02		F 01 B				13/00	
	F 41 C		206-209	F 01 B	25/04	394-396	F 15 B	15/22	69	F 01 B	3/00		F 01 B		34	F 24 F	7/00	
	F 41 F		210	F 01 B	25/06	397,398	F 15 B	13/04	70,71	F 01 B	31/00		F 01 B		34.5	F 24 F	7/00	
197-199	F 41 A		211-215	F 01 B	21/04	399-402	F 15 B	15/22	72	F 01 B	29/00		F 01 B		34 6,35	F 24 F	13/00	
	F 41 C		216	F 01 C	9/00	403,404	F 15 B	13/04	73,74	F 01 B	19/00		F 01 B		36	F 24 F	9/00	
	F 41 F		217	F 01 L	15/12	405-409	F 15 B	15/22	75	F 01 B	3/00		F 16 J		37	F 24 F	7/00	
			218	F 01 L	25/04	410	F 15 B	13/04	76	F 01 B	31/00		F 01 B				13/04	
			219	F 01 L	21/04	415-417	F 15 B	15/17	77	F 01 B	1/00		F 01 B		38.1-38 3	F 24 F	7/00	
			220	F 01 L	21/02	418-432	F 15 B	11/08	78-83	F 15 B	29/00		F 01 B				7/04	
			221	F 01 L	21/04			13/04	84	F 16 J	21/04		F 01 B		38.4-38 8	F 24 F	7/00	
			222	F 01 B	1/00	433	F 15 B	11/10	85	F 01 B	1/10		F 01 B				13/04	
			223	F 01 L	21/02	434	F 15 B	13/14	86-87	F 01 B	3/00		F 01 B				7/00	
			224	F 01 B	7/18	435	F 15 B	11/04	88	F 01 B	1/10		F 01 B				13/04	
			225	F 01 L	15/00	436-441	F 15 B	11/08	89-105	F 01 B	3/00		F 01 B				7/00	
			226	F 01 L	15/14			13/04	106-111	F 01 B	31/00		F 01 B				7/04	
			227	F 01 L	25/04	442	F 01 B	11/08	112-115	F 01 B	3/00		F 01 B				13/04	
			228,229	F 01 L	21/02			13/04	116	F 16 J	15/02		F 01 B				7/00	
			230,231	F 01 B	1/00	443-458	F 15 B	11/08	117	F 01 B	15/04		F 01 B				7/04	
			232-234	F 01 L	21/02			13/04	118,119	F 01 B	9/00		F 01 B				13/04	
			235	F 01 B	7/18	459	F 15 B	13/04	120-125	F 01 C	9/00		F 01 B				13/10	
			236	F 01 L	15/00	460	F 15 B	17/02	126,127	F 01 B	31/00		F 01 B				7/00	
			237,238	F 01 L	15/14	461-470	F 15 B	11/08	128	F 01 B	29/00		F 01 B				7/04	
			239	F 01 L	15/00			13/04	129	F 16 J	1/10		F 01 B				13/04	
			240	F 01 L	25/02	471	F 01 B	9/00	130-135	F 01 B	31/00		F 01 B				7/00	
			241,242	F 01 L	25/04			13/04	136-140	F 04 B								

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 98—Con.														
		13/06	58	E 04 H	7/22			31/12			43/14	567	A 23 M	17/00
		7/00		E 04 F	17/02	337-344	A 23 L		502-508	A 23 N	1/00		A 47 J	17/00
40 02	F 24 F	13/065		F 23 L	17/02		A 47 J			A 47 J	43/14	568	A 23 M	5/00
		7/00	59-61	F 23 L	17/02	345-347	A 47 J	37/10	509	A 23 M	1/00		A 47 J	17/00
40 03	F 24 F	13/06	64-75	F 23 L	17/02	348-357	A 23 L			A 47 J	43/14	569	A 23 M	5/00
		7/00	76,77	F 23 L	17/06		A 47 J			B 26 D	1/00		A 47 J	43/00
40 04	F 24 F	7/00	78-86 5	F 23 L	17/02	358	H 05 B		510	A 23 N	1/00		B 07 B	1/00
		7/04	87	E 06 B	7/02	359-371	A 23 L	3/00		B 02 C	15/00			13/00
		13/08	88.1	E 06 B	7/02	372-377	A 47 J			B 26 D	1/00			15/00
40 05	F 24 F	7/00		F 24 F	7/00	378	H 05 B		511	A 23 M	1/00	570	A 23 M	5/00
		13/06	89-93	E 06 B	7/02	379-384	A 47 J			B 02 C	15/00		B 07 B	4/00
40 06	F 24 F	7/00	94.1,94.2	E 06 B	7/02	385-402	A 47 J	37/08		B 04 B	5/10			7/00
		11/02		F 24 F	7/013	403-418	A 47 J	37/12	512,513	A 23 N	1/00			9/00
40 07,40 08	F 24 F	3/056	95-98	E 06 B	7/02	419-421	A 47 J	37/04		B 02 C	15/00	571-575	A 23 M	5/00
		7/00	99.01	E 06 B	7/02	422-425	A 47 J	37/10		B 04 B	5/10		A 47 J	43/00
		13/078		F 24 F	7/03	426-442	A 22 C		514	A 23 M	15/02	576	A 23 M	5/00
40 09	F 24 F	3/056		F 24 F	7/00		A 23 P	1/00		A 47 J	23/00		A 47 J	43/00
		7/00	99.1-100	E 06 B	7/02		A 47 J	43/18	515	A 23 M	4/00		B 27 B	5/00
		13/078	100.5	E 06 B	7/08	443	A 23 L	3/00	516,517	A 23 B	4/08	577-581	A 23 M	5/00
		13/08		F 24 F	7/00	444-446	A 47 J	27/00			4/12		A 47 J	43/00
40 1	F 24 F	7/00			13/18	447-450	A 47 J				4/14	582,583	A 23 M	5/00
		13/068	101-114	F 24 F	13/00	450.1-450.5	A 21 C	9/04	518	B 02 B	1/04	584-591	A 23 M	7/00
40 11	F 24 F	7/00	115.1	F 24 F	7/00		A 23 P	1/00			3/12		A 47 J	17/00
		13/06			11/00	450.6-450.8	A 21 C	9/06	519-523	B 02 B	1/04	592	A 23 M	7/08
		13/08	115.2	B 05 C	15/00	451	A 23 C	3/07			1/06		A 47 J	17/00
40 12,40 13	F 24 F	7/00		F 24 F	7/00		A 23 L	3/26			3/12	593	A 23 M	7/00
		13/062			11/00			3/28	524	B 02 B	1/04		A 47 J	17/18
		13/075	115.3	B 01 L	1/00			3/30			1/06	594-599	A 23 M	7/00
40 14,40 15	F 24 F	7/00		F 23 J	11/00			3/32			3/14		A 47 J	17/16
		13/072		F 24 F	7/00	452	A 01 J	11/00			7/02	600	B 02 B	3/00
40 16,40 17	F 24 F	7/00			11/00		A 23 C	1/00	525	B 02 B	1/04	601-604	B 02 B	3/00
		13/06	115.4	F 24 F	7/00	453	A 23 C	3/02			1/06			5/02
		13/08			11/00	454	A 23 C	1/00			3/12	605-607	B 07 B	1/00
40 18	F 24 F	7/00	116	F 04 D	25/08	455	A 23 C	3/04		H 02 C	11/08		B 02 B	3/00
		13/06			25/14	456	A 01 J	11/00	526,527	B 02 B	1/00			5/02
40 19	F 24 F	7/04	117	F 23 L	13/00	457	A 01 J	17/00			3/12	608	B 07 B	1/06
		13/06			17/00	458	A 01 J	11/06		H 02 C	11/08		B 02 B	3/08
40 2-40 3	F 24 F	7/00	118	F 24 F	13/00	459	A 01 J	15/00	528	H 02 B	3/12		B 07 B	5/02
		13/062	119,120	F 23 L	17/00	460	A 01 J	11/00			5/02	609-611	B 02 B	1/06
		13/075	121 1	F 24 F	13/08	461	A 01 J	11/00		B 02 C	11/08		B 02 B	3/00
41 1-41 3	F 24 F	7/00	121 2	F 24 F	13/14			15/00	529-531	B 02 B	3/12	612-616	B 02 B	3/02
		13/06			13/16	462-464	A 01 J	15/02		B 02 C	11/08	617-621	B 02 B	3/04
		13/08	122	F 23 L	17/02	465	A 01 J	11/06	532,533	B 02 B	3/00			3/08
42 01	F 24 F	7/00				466	A 01 J	15/02		B 02 C	11/08	622	B 02 B	3/02
		13/00						15/04	534-536	B 02 B	3/12	623	A 23 M	7/00
42 02	F 24 F	7/007						15/06		B 02 C	11/08		A 47 J	17/00
		7/06				467	A 01 J	11/04	537	A 23 M	17/00	624,625	A 23 M	7/00
42 03	F 24 F	7/007						13/00		A 47 J			A 47 J	17/16
		7/06	275	A 23 F				15/14	538	A 23 M	23/00	626,627	A 23 M	7/00
		11/02		A 23 L	1/00	468	A 01 J	11/00		A 47 J		628-630	A 23 M	7/00
42 04-42 08	F 24 F	7/007	276	C 12 C		469	A 23 F	3/12			25/00		A 47 J	17/20
		7/06		C 12 F			A 23 L	3/00	539-541	A 23 M	7/08		A 47 J	17/00
		13/00		C 12 G			A 47 J	31/00		A 47 J	17/00	631	A 23 M	7/00
42 09-42 12	F 24 F	7/007	277	C 12 F		470-473	A 23 B		542	A 23 M	3/00		A 47 J	17/18
		7/02		C 12 G		474-482	A 23 B	4/03			7/08	632-634	A 23 M	7/00
		7/06	277.1,277 2	C 12 F				4/044		A 47 J	17/00		A 47 J	17/00
		13/08		C 12 G			B 60 H	3/00			25/00	635,636	A 23 M	15/02
42 13	F 24 F	7/007		C 12 H	1/22	483	A 23 C	3/02	543	A 23 M	7/08			15/04
		7/02		C 12 C				15/04		A 47 J	17/00		A 47 J	21/00
		7/06	279-322	A 23 F		484	A 23 B			B 26 D	11/00	637-643	A 23 M	15/02
		13/00		A 47 J	31/00	485	A 23 L		544	A 23 M	7/08		A 47 J	21/00
42 14	E 04 D	13/03	323	A 47 G	19/14	486	B 02 C	25/00		A 23 M	25/00	644,645	A 23 M	15/00
		13/16		A 47 J	31/00		B 23 Q	15/00	545	A 23 M	3/00		A 47 J	43/00
42 15	F 24 F	7/02	323.1	A 23 F	3/00	487	A 23 L			A 47 J	25/00	646	A 23 P	1/00
		7/00		A 23 L	2/26		B 02 C	25/00						
		11/02		B 01 F	3/04		B 08 B	3/00	546	B 26 D	11/00			
42 16-42 19	F 24 F	7/00	323 11,323.12	A 23 F	3/00	488	B 02 C	25/00		A 23 M	15/02			
		13/08	323.2	A 23 F	3/00		B 08 B	3/00			15/04			
42 2-42 23	F 24 F	7/00		A 23 L	2/26	489-493	B 02 C	25/00	547	A 47 J	21/00			
		7/02		B 01 F	3/04		B 23 Q	15/00		A 23 M	4/12			
		13/00	323.3	A 23 F	3/00	494	A 23 B	4/02		A 47 J	23/00			
44	E 06 B	7/04			5/00	495	A 23 B	5/00	548	A 23 M	3/04	1	B 65 B	13/00
45-48	E 04 F	17/04	323.4-323.9	A 23 L	1/18		A 23 M	1/00			3/06	2,3	B 65 B	13/02
	F 23 J	13/00	324-326	A 23 L			A 47 J	43/14			4/12	4	B 65 B	57/10
49	E 21 F			A 47 J	27/00	496	A 23 M	1/00	549-551	A 23 M	4/12		G 05 D	15/00
50	E 21 F	1/00	327,328	A 23 L		497-499	A 23 B	5/00		A 47 J	25/00	5	B 65 B	63/04
		3/00		A 47 J	27/62		A 23 J	1/09	552-556	A 23 M	4/12	6,7	B 65 B	13/00
51	A 47 J	47/00	329,330	A 23 L			A 23 M	1/00			4/22	8	A 01 F	15/14
52	A 01 F	25/00		A 47 J	27/00		A 47 J	43/14		A 47 J	25/00		B 30 B	9/30
	E 04 H	7/22	331-333	A 23 L		500	A 23 J	1/09	557-561	A 23 M	4/12	9	B 65 B	13/30
53	B 63 B	25/02		A 47 J	27/62		A 23 M	1/00		A 47 J	25/00	10	B 65 B	13/16
54,55	E 04 H	7/00	334,335	A 23 L			A 47 J	43/14	562-566	A 23 M	4/12	11	B 65 B	13/18
		7/22		A 47 J		501	A 23 J	1/00			4/24	12	B 65 B	27/06
56,57	A 01 F	25/00	336	A 47 J	29/02		A 23 M	1/00		A 47 J	25/00	13	B 65 B	13/10

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 100—Con.				G 01 L										
14	B 65 B	13/00	100	B 30 B	15/00	281	B 30 B	1/40	93.16	B 41 J	9/04	163-166	B 41 F	1/00
15,16	B 65 B	13/02	101	A 23 P	1/00	282	B 30 B	1/10	93.17	B 41 J	1/16	167-169	B 41 F	
17	B 65 B	13/18		B 65 B	49/00	283	B 30 B	1/06			1/50	170	B 41 M	1/10
18	B 65 B	13/02	102,103	B 30 B		284	B 30 B	1/02	93.18,93.19	B 41 J	1/22	171	B 41 F	17/10
19	B 65 B	13/06	104-109	B 30 B	9/02	285	B 30 B	1/02	93.2	B 41 J	3/54	172	B 41 F	3/42
20-22	B 65 B	13/08	110-116	B 30 B	9/06	286	B 30 B	1/10	93.21-93.23	B 41 J	1/32	173	B 41 F	3/44
23	B 65 B	13/24	117	B 30 B	9/12	287	B 30 B	1/14	93.24	B 41 J	1/36			5/16
24	B 65 B	13/04			9/14	288	B 30 B	1/22	93.25	B 41 J	1/40	174-185	B 41 F	5/18
25	B 65 B	13/04			9/16	289,290	B 30 B	1/18	93.26	B 41 J	1/54			3/42
		13/06			9/18	291	B 30 B	1/26	93.27	B 41 J	1/22	186-192	B 41 F	3/44
26	B 65 B	13/04	118-120	B 30 B	9/24	292	B 30 B	1/26	93.28	B 41 J	1/22	193	B 41 F	1/00
27,28	B 65 B	13/10	121	B 30 B	9/20	293	B 30 B	1/02	93.29-93.34	B 41 J	9/00	194,195	B 41 F	1/04
29,30	B 65 B	13/24	122,123	B 30 B	9/06	294	B 30 B	1/00			9/10	196-199	B 41 F	1/08
31	B 65 B	13/28	124	B 30 B	9/26	295-297	B 30 B	15/06			9/24	200	B 41 F	1/14
32	B 65 B	13/22	125	B 30 B	9/02	298	A 23 P	1/00			9/36	201	B 41 F	13/52
33	B 65 B	13/34	126	B 30 B	9/04	299	B 30 B	12/00	93.35,93.36	B 41 J	1/22	202	B 41 F	1/40
34	B 65 B	13/18	127-129	B 30 B	9/06						9/10			31/00
35	B 30 B	13/00	130	B 30 B	9/26						9/16	203.1	B 41 F	1/40
36	A 01 J	25/12	131-135	B 30 B	9/02	U.S. Class 101					9/28			3/81
37	A 47 J	19/02			15/00	PRINTING			93.37	B 41 J	1/08			31/00
	B 30 B	9/02	136	F 16 P	1/02				93.38	B 41 J	1/08	204	B 41 F	1/40
38	B 30 B	15/34	137-139	B 30 B	7/00						3/54			31/00
39,40	B 30 B	13/00	140-142	B 30 B	15/20	2	B 41 F		93.39,93.4	B 41 J	1/08	204.1	B 41 F	1/40
41	B 30 B	11/22	143	B 30 B	7/02	3.1-27	B 31 F	1/07	93.41-93.43	B 41 J	1/08			3/81
42	B 30 B	7/04	144	B 30 B			B 41 F	19/02			1/58			31/00
43	B 30 B	15/26	145	B 30 B	3/00		B 44 B	5/00			1/60	205-210	B 41 F	1/40
44	B 30 B	15/14	146	B 30 B	3/04	28-31	B 31 F	1/07			3/62			31/00
		15/16	147-149	B 30 B	15/00		B 44 B	5/02	93.44	B 41 J	1/58	211	B 41 M	1/14
45	B 30 B	15/30	150	B 30 B	3/02	31.1	B 31 F	1/07			1/60	212	B 41 F	5/00
46	B 30 B	15/24	151,152	B 30 B	5/04		B 41 F	19/02	93.45,93.46	B 41 J	1/08			7/00
47-50	B 30 B	15/14	153	B 30 B	3/00		B 44 B	5/00			1/16			13/00
		15/16	154	B 30 B	5/04	32	B 31 F	1/07			1/58	213	B 41 F	17/06
51	B 30 B	15/14	155	B 30 B	3/00		B 44 C	1/24			1/60	214,215	B 41 F	11/00
52	B 30 B	15/16	156	B 30 B	3/02	33	B 41 D	7/00	93.47	B 41 J	1/04	216	B 41 F	5/00
53	B 30 B	15/14	157	B 30 B	3/06	34	B 41 C	1/06			1/16	217,218	B 41 F	7/02
		15/16	158-176	B 30 B	3/04	35-37	B 41 F	17/00	93.48	B 41 J	9/00	219-223	B 41 F	5/04
		3/26	177,178	B 30 B	5/00	38.1-40.1	B 41 F	17/08	94-102	B 41 J				13/02
54	B 67 B	7/28	179-193	B 30 B	1/00	41-44	B 41 F	17/00	103-108	B 41 J	27/00	224-227	B 41 F	13/56
	B 65 B		194-202	B 30 B	7/02	45	B 41 J		109-112	B 41 J	1/60	228	B 41 F	13/54
55	B 65 B	43/42	203-205	B 30 B	7/00		B 41 L		113	B 41 L	15/00	229-231	B 41 F	5/02
56	B 67 B	3/22	206	B 30 B	7/02	46	B 41 J	3/44	114	B 41 F	15/00	232-237	B 41 F	13/24
57	B 65 B	1/00	207	B 30 B	15/30	47	B 41 L	45/00			13/00	238-241	B 41 F	13/64
58	B 67 B	1/08			15/32	48-51	B 41 L	47/06	115	B 41 F	15/04	242	B 41 F	33/00
59	B 65 B	7/28	208,209	B 30 B	15/14	52,53	B 41 L	47/46	116	B 41 L	13/04	243,244	B 41 F	31/00
60	B 67 B	3/28			15/16	54	B 41 L	45/08	117	B 41 L	13/14	245	B 41 F	13/24
61-64	B 67 B	3/02	210	B 30 B	3/02	55-57	B 41 L	47/24	118-120	B 41 L	13/00	246	B 41 F	21/00
65	A 01 F	25/16	211	B 30 B	5/02	58	B 41 L	47/46	121,122	B 41 L	13/08	247,248	B 41 F	13/24
	B 65 B	3/04	212	B 30 B	5/04	59	B 41 L	47/46	123,124	B 05 C	17/04	249	B 41 F	30/00
66	A 01 F	25/18	213	B 30 B	9/02	60,61	B 41 L	45/08			13/18	250	B 41 F	3/00
67-69	B 65 B	3/04	214	B 30 B	1/00	62	B 41 L	47/02			27/00	251,252	B 41 F	3/34
70	B 30 B	9/00			1/42	63-65	B 41 L	47/10	125	B 41 L	27/26	253,254	B 41 F	3/44
71-73	B 30 B	15/30	215-217	B 30 B	15/30	66-70	B 41 J		126-128.1	B 05 C	17/06	255-259	B 41 F	3/00
74	B 30 B	15/20	218	B 30 B	15/32		B 41 K				17/08	260,261	B 41 F	3/20
75	B 30 B	15/30	219	B 30 B	15/10	71	B 41 K	45/00			13/00	262-267	B 41 F	3/40
76,77	B 30 B	9/00	220	B 30 B	15/00	72-89	B 41 J		128.21	B 05 C	17/06	268	B 41 F	3/60
	B 31 D	5/02	221-225	B 30 B	15/02		B 41 L	45/00			17/08	269-274	B 41 F	3/04
78	B 30 B	9/28	226,227	B 30 B	1/00	90	B 41 L		128.4	B 41 C	1/14	275,276	B 41 F	3/00
79	B 30 B	15/08	228	B 30 B	1/02	91,92	B 41 L	47/46	129	B 41 M	1/12	277,278	B 41 F	3/14
80	B 30 B	9/00	229	B 30 B	15/06	93	B 41 J		130	B 41 F	7/00	279,280	B 41 F	3/00
	B 31 D	5/02	230	B 30 B	1/00	93.01	B 41 J				7/00			B 65 H
		5/04	231	B 30 B	1/18		B 44 D				9/00	281	B 41 F	31/00
		9/00	232	B 30 B	7/04	93.02	B 41 J	9/42			11/00	282-286	B 41 F	3/58
81,82	B 30 B	9/00	233-237	B 30 B	7/00	93.03	B 41 J	9/00	131,131.5	B 41 L		287	B 41 F	1/00
83	B 30 B	3/00	238-255	B 30 B	5/00	93.04,93.05	B 41 J	3/00	132	B 41 L	9/10	288	B 41 F	1/08
84	B 30 B	15/30	256	B 30 B	15/00	93.06	B 41 J	19/00			11/08	289,290	B 41 F	1/10
85	B 30 B	9/00	257-259	B 30 B	5/00			25/12	132.5	B 41 L	11/08	291-295	B 41 F	1/08
		15/00	260	B 30 B	15/00	93.07	B 41 J	3/24	133,134	B 41 L	11/06	296	B 41 F	1/20
86	B 30 B	3/04	261-264	B 30 B	5/00			3/44	134.5	B 41 L	11/02	297-315	B 41 F	1/04
87	B 30 B	5/04	265-268	B 30 B	1/00			11/66	135-141	B 41 F		316-321	B 41 F	1/06
		9/00	269	B 30 B	1/23	93.08	B 41 J	1/32				322,323	B 41 F	1/00
88	B 30 B	5/06			1/32			9/10	142-144	B 41 F	9/00	324	B 41 F	1/40
		9/00	270,271	B 30 B	1/08			9/26			16/00	325,326	B 41 F	1/46
89	B 30 B	3/04	272	B 30 B	1/16	93.09	B 41 J	9/12	145	B 41 L	9/10	327	B 41 F	31/00
90	B 30 B	9/00	273	B 30 B	15/20	93.1	B 41 J	3/01	146	B 41 L	9/04			1/38
91	B 02 C		274-277	B 30 B	15/14			9/22	147,148	B 41 L	23/00	328-331	B 41 F	5/00
	B 02 C	11/08			15/18			9/34			25/00			7/00
92	B 30 B	15/34	278,279	B 30 B	5/00	93.11,93.12	B 41 J	3/50	150,151	B 41 F				9/00
	F 26 B	17/18	280	B 30 B	1/02			3/54	152	B 41 F	9/02			11/00
93	B 02 C	11/08			1/10	93.13,93.14	B 41 J	1/18	153,154	B 41 F	9/00			1/22
	B 30 B	15/34			1/24			1/20	155	B 41 F	9/08	332	B 41 F	1/44
94-96	B 30 B	9/00			1/26	93.15	B 41 J	1/16	156	B 41 F	9/14			1/48
97	B 30 B	15/08			1/30			1/50	157	B 41 F	9/10	333,334	B 41 K	1/42
98	B 30 B	9/00			1/32			9/04	158-162	B 41 F	3/36	335	B 41 F	31/00
99	B 30 B	15/00												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 101—Con.			477	B 41 F			F 42 C	19/08	352	F 42 B	4/14	446	F 42 B	8/00
	B 41 K	1/38	478	B 41 L	47/14	206	F 23 Q	7/02	353	F 42 B	4/16	447	F 42 B	5/16
	B 41 L	27/00	479	B 41 H	1/00		F 42 C	21/00	354	F 42 B	4/00			8/00
336	B 41 F	31/16		B 41 F		207,208	F 42 C	11/00	355	F 42 B	4/00	448	F 42 B	7/02
	B 41 K	1/48	480	B 41 L	1/34	209	F 42 C	11/04			4/18			7/04
	B 41 L	27/18		B 41 L	5/16	210	F 42 C	11/02	356-360	F 42 B	4/00	449	F 42 B	7/00
337	B 41 F	31/00			15/14	211	F 42 C	13/00	361	F 42 B	4/04	450,451	F 42 B	7/08
338-347	B 41 F	1/40			49/00	212	F 42 C	13/08	362	F 42 B	23/00	452	F 42 B	7/02
348	B 41 F	1/46	481	B 41 F	1/34	213	F 42 C	13/02	363	F 42 B	12/46	453	F 42 B	7/08
		31/14			3/08	214	F 42 C	13/04	364,365	F 42 B	10/00	454,455	F 42 B	7/02
	B 41 L	27/16			21/12	215	F 23 Q	7/02			12/00			7/04
349-358	B 41 F	31/00			21/14			21/00			12/44	456-458	F 42 B	7/02
359-362	B 41 F	31/14		B 41 L	1/02	216	F 42 C	19/06	366	F 42 B	8/00	459	F 42 B	7/04
363	B 41 F	1/46			3/02	217-220	F 23 Q	7/02			10/00	460	F 42 B	7/02
364-367	B 41 F	31/02	482	B 41 F	33/00		F 42 C	11/00			12/00	461	F 42 B	7/08
368	B 41 L	47/02		B 41 L	47/60	221	F 42 C	15/00			14/06	462,463	F 42 B	7/02
	B 41 M		483	B 41 C		222	F 42 C	15/34			30/00	464,465	F 42 B	5/26
369,370	B 41 L	47/02		B 41 M		223,224	F 42 C	15/32	367-370	F 42 B	12/46	466,467	F 42 B	5/30
371	B 41 K		484	B 41 F	1/54	225-227	F 42 C	15/18	371	F 42 B	30/14	468	F 42 B	5/28
372,373	B 41 F	17/00			1/66	228	F 42 C	15/00	372,373	F 42 B	15/00	469,470	F 42 B	5/26
374	B 41 F	13/46			33/00	229,230	F 42 C	15/18	374-381	F 42 B	15/10	471	F 42 B	5/32
375	B 41 F	13/10		B 41 L	5/12	231-236	F 42 C	15/26	382,383	F 42 B	25/00	472	F 42 B	5/08
376-378	B 41 F	13/10			39/00	237-246	F 42 C	15/22	384	F 42 B	10/00	473-476	F 42 B	10/00
		27/06	485	B 41 F	47/56	247-253	F 42 C	15/24	385	F 42 B	25/00			12/00
379-381	B 41 F				1/34	254-256	F 42 C	15/34	386-388	F 42 B	10/56			12/02
	B 41 K				21/12	257-261	F 42 C	15/20	389	F 42 B	25/00			12/08
	B 41 L				21/14	262-264	F 42 C	15/40	390-392	F 42 B	21/00			12/20
382.1-389.1	B 41 F	27/00		B 41 L	1/02	265	F 42 C	9/14	393	F 42 B	12/58			30/00
390-394	B 41 B	1/18	486	B 41 L	3/02	266	F 42 C	9/16	394	F 42 B	25/00	477-480	F 42 B	12/02
395	B 41 N	1/00			3/08	267-271	F 42 C	9/14	395	F 42 B	8/12			12/08
396,397	B 41 B	1/02	487	B 41 F	23/04	272	F 42 C	1/00	396,397	F 42 C		481	F 41 A	9/00
398,399	B 41 B	1/00	488	B 41 L	35/14	273	F 42 C	1/04	398	F 42 B	15/22	482	F 42 B	27/00
400	B 41 B	1/14	489	B 41 M		274,275	F 42 C	1/02	399	F 42 B	15/20	483-485	F 42 B	10/00
401	B 41 B	1/02	490	B 41 F	1/10	275.1	C 06 C	5/00			15/22			12/00
	B 41 N		491	B 41 F	31/00	275.11,275.12	C 06 C	5/06	400	F 42 B	8/00			30/00
401.1	B 41 C		492	B 41 F	1/16	275.2-275.5	C 06 C	5/00			10/00	486	F 42 B	27/08
	B 41 N	6/00			3/34			5/04			12/00	487,488	F 42 B	27/00
401.2	B 41 D				7/02	275.6	C 06 C	5/00			14/06	489	F 42 B	12/58
	B 41 N	11/00			9/01	275.7,275.8	C 06 C	5/04			30/00	490	F 42 B	12/20
401.3	B 41 L	38/00		B 41 L	9/00	275.9	C 06 C	7/00	401	F 42 B	22/00	491-497	F 42 B	12/22
	B 41 M	9/00	493	B 41 D	7/00	276	F 42 C	9/00			23/00			12/32
	B 41 N	10/00	494	B 41 F		277	F 42 C	9/06	402	B 63 G	9/00	498	F 42 B	8/00
401.4	B 41 B	1/02		B 41 L		277.1	C 06 D	5/00		F 42 B	22/42	499,500	F 42 B	12/20
401.5	B 41 B			B 41 M		277.2	C 06 D	5/00	403	F 42 B	7/02	501	F 42 B	5/24
	B 41 D						F 42 C	9/10	404	F 42 B	23/00			8/00
401.6	B 41 B	5/00				281	C 06 C	7/00	405	F 42 B	22/44			10/00
402,403	B 41 B	1/04				282	F 42 B	22/00	406,407	F 42 B	22/00			12/00
404	B 41 B	1/20				283	C 06 B	45/00	408	F 42 B	22/22			14/06
405,406	B 41 K	1/56	U.S. Class 102				C 06 D	5/00	409,410	F 42 B	22/24			15/00
407.1	B 41 F	1/28	AMMUNITION AND EXPLOSIVES				5/06	5/06	411	F 42 B	22/10			30/00
		21/00				284-288	C 06 B	45/00	412	F 42 B	22/12	502,503	F 42 B	8/00
408	B 41 F	1/30	200	C 06 C				45/12			22/14			10/00
	B 41 L	21/06		F 42 C			C 06 D	5/00	413	F 42 B	22/12			12/00
409-412	B 41 F	1/30	201	F 42 C	19/00	289-292	C 06 B	45/00	414	F 42 B	22/18			14/06
		21/00	202	C 06 C	7/00		C 06 D	5/00	415	F 42 B	22/42			30/00
		21/10		F 23 Q	7/02			5/06	416	F 42 C		504	F 42 B	12/58
413-415.1	B 41 F	1/28		F 42 C	19/08			5/06	417,418	F 42 B	22/04	505	F 42 B	8/00
		21/00	202.1	F 42 B	3/18	293	C 06 D		419,420	F 42 B	22/38			10/00
	B 41 L	21/00		F 42 C	15/00		F 42 B		421-423	F 42 B	22/02			12/00
416.1-422	B 41 F		202.11	F 42 B	3/10	301	F 42 C	3/00	424	F 42 B	22/02			14/06
	B 41 L			F 42 C	11/00	302	F 42 B	3/00		F 42 C				30/00
423-425	B 41 F	35/00			19/12	303	F 42 B	3/00	425-427	F 42 C		506	F 42 B	10/00
	B 41 L	41/00	202.12	F 42 B	3/10	304	F 42 D	3/00	428,429	F 42 B	23/28			12/00
450.1-452	B 41 F	1/18		F 42 C	11/00	305	F 42 B	1/00	430	F 42 B	3/00			12/22
		7/00	202.13	F 42 B	3/16	306-310	F 42 B	1/00			5/02			30/00
453	B 41 N	1/00		F 42 C	11/00			1/02			7/02	507-510	F 42 B	10/00
		3/00	202.14	F 42 B	3/12	311-313	F 42 B	3/00			10/00			12/00
		3/03		F 42 C	11/00		F 42 D	3/00			12/00			30/00
		3/04			19/12	314-321	F 42 B	3/00	431-433	F 42 B	5/18	511	F 42 B	10/00
454-462	B 41 N	1/00	202.2-202.4	F 42 B	3/18	322	F 42 B	3/00	434,435	F 42 B	5/02			12/00
		3/00	202.5,202.6	F 42 B	3/10		F 42 C	19/00	436	F 42 B	5/16			14/00
463.1-466	B 41 M	5/00			3/12	323-330	F 42 B	3/00	437	F 42 B	5/05	512	F 42 B	5/02
	B 41 N	3/00		F 42 C	11/00	331-333	F 42 B	3/00	438	F 42 B	12/58			10/00
467	B 41 M	5/00			19/12	334	F 42 D	3/00	439	F 42 B	10/00			12/00
		5/26	202.7	F 42 B	3/10		C 06 D	3/00			12/00			12/46
	B 41 N	3/00		F 42 C	11/00		F 42 B	12/48			30/00			12/54
468	B 41 M	5/00			19/12	335	F 42 B	4/00	440,441	F 42 B	5/02			30/00
469	B 41 M	5/00	202.8	F 42 B	3/14	336	F 42 B	4/26			5/10	513	F 42 B	10/00
		5/124		F 42 C	11/00	337-340	F 42 B	4/28			5/18			12/00
470-473	B 41 M	5/00			19/12	341-346	F 42 B	4/26	442	F 42 B	5/24			12/38
474,475	B 41 F	1/28	202.9	F 42 C		347	F 42 B	4/06	443	F 42 B	5/16			12/40
		21/00	204	C 06 C	7/00	348	F 42 B	4/08	444	F 42 B	8/00			30/00
476	B 41 F			F 42 C	19/10			4/12	445	F 42 B	12/00	514-519	F 42 B	10/00
	B 41 L		205	C 06 C	9/00	349-351	F 42 B	4/06			30/10			12/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 102—Con.			106-111	E 01 B	25/22	298-305	B 60 L	15/00	358-362	B 61 D	5/00			5/14
			112-117	B 61 B	7/00	306	B 60 B	17/00	363	B 61 D	17/00			5/16
520	F 42 B	30/00		E 01 B	25/14		B 61 B	12/00	364	B 61 D	11/00			101/00
		14/00			25/16	307	B 61 B	12/00	365	B 61 B	13/00			201/00
521-523	F 42 B	14/06	117 1	B 61 B	7/06					B 61 D	15/00	17	C 09 D	4/00
524-528	F 42 B	14/06	118-121	B 61 B	13/04				370-372	B 61 D	3/06			5/14
529	F 42 B	14/00		E 01 B	25/08				373	B 61 D	3/02			5/16
530,531	C 06 D	8/00	122	B 61 B	3/00	U.S. Class 105			374	B 61 D	45/00			5/18
532	F 42 B	7/08		B 61 D	47/00	RAILWAY ROLLING STOCK			375	B 61 D	3/00			101/00
			123 124	B 61 B	12/04						17/10			201/00
				E 01 B	25/14	1.1-7	B 61 D	17/00	377	B 61 D	39/00	18	C 09 D	5/14
					25/16	8.1-25	B 60 D	5/00	378,379	B 61 D	17/00			5/16
					25/22		B 61 D	17/10	380-392	B 61 D	3/08	18.11-18 36	C 09 D	5/18
			125	E 01 B	25/00	25.1	B 61 D	27/00	392 5	B 61 D	15/06			5/16
				E 04 H	12/00	25.2	B 61 C	17/00	393-395	B 61 D	3/00			5/18
			126	E 01 B	23/00	26.05	B 61 C	1/00			15/04	19	C 09 D	11/00
					25/00			17/00			17/00			13/00
			127-129	B 61 B	3/00	26.1-34.2	B 61 C	11/00	396-421	B 61 D	17/00			11/00
2	E 01 B	29/02			5/00	35.36	B 61 C	13/00	422	B 61 D	17/10			11/16
3	E 01 B	33/02			15/00			7/04	423	B 61 D	17/18	21-23	C 09 D	11/00
4	E 01 B	29/02	130	E 01 B	25/06	37-48.3	B 61 C	1/00	424	B 61 D	17/00	24	C 09 D	11/04
5,6	E 01 B	29/05			25/12	49-61	B 61 C	3/00	425-436	B 61 D	47/00	25,26	C 09 D	11/14
		29/06			25/20	61.5-66	B 61 C	7/00	437,438	B 61 D	19/00	27-29	C 09 D	11/06
7 1	E 01 B	29/16			25/26	67-72	A 63 H	19/04			23/00	30	C 09 D	11/08
		27/17	130 1	B 61 B	13/08	72.1-85	B 61 C	7/00	439-442	B 61 K	13/00	31	C 09 D	11/12
7 2	E 01 B	29/04		E 01 B	25/06			11/00		B 61 K	33/00	32	C 09 D	11/00
		29/16			25/12	86-92	B 61 D	15/08			1/00	32 5	C 09 K	3/00
		27/17			25/20	93-95	B 61 C	9/00	443-450	B 61 D	23/00	33	C 09 K	3/10
7 3	E 01 B	29/04	131,132	E 01 B	25/06	96-132.1	B 61 C	9/00		B 61 K	13/00			3/12
8	E 01 B	29/16			25/12	133-140	B 61 C	1/00	451	B 61 D	27/00	34,35	C 09 K	3/00
		33 00			25/26			7/00	452	B 61 D	17/00	36	C 09 K	3/14
9	E 01 B	29/06	133	B 61 D	49/00	141-147	B 61 B	13/04	453	B 61 F	1/00	37,38	C 09 K	3/00
10-14	E 01 B	27/00		B 61 F	19/00	148-156	B 61 B	3/00	454,455	B 61 D	3/00	38 2,38 22	B 28 B	7/36
15	E 01 B	11/44	134-136	A 63 G	21/00			17/00			15/00	38 23	C 04 B	35/68
		31/18	137	B 61 B	13/00	157.1-181	B 61 C	13/00	456-461	B 61 C	17/04			7/36
16	E 01 B	3/00	138 1,138 2	B 61 B	13/10			13/04		B 61 D	49/00			7/38
17 1	E 01 B	29/26	139	B 61 F	13/00	182.1-208.2	B 61 F	3/00		B 61 K	13/00			35/68
17 2	E 01 B	29/24	140-146	B 60 M	1/34	209-217	B 61 F	1/00	462	B 61 J	3/10			1/00
		29/32	154-164	E 01 B	5/00	218.1-225	B 61 F	5/26	463 1	B 61 D				3/00
18-21	B 61 K	1/00		B 60 M	13/00	226-230	B 61 F	1/00				38 24	B 28 B	7/36
22	A 63 G	1/00	165-171	B 61 B	9/00	231	B 61 C	17/00	U.S. Class 106					35/68
	B 61 D	15/00			13/00	232-237	B 61 D	15/00	COMPOSITIONS, COATING OR PLASTIC					91/00
	B 64 B	1/50	172 1-172.3	B 61 B	7/00	238 1,238.2	B 61 D	3/00	1 05-1.29	B 05 B	7/00	38 25	B 28 B	7/36
23 1	A 63 G	1/00			9/00	239,240	B 61 D	11/00		B 22 F	5/00			7/38
	B 61 D	15/00			10/00			13/00		C 09 D	5/10			35/68
	B 64 F	3/00			12/00	182.1-208.2	B 61 F	3/00		C 09 D	16/00			91/00
23 2	B 60 V	3/04	172 4	B 61 J	3/04	209-217	B 61 F	1/00		C 23 C	18/00			95/00
	B 65 G	7/06		B 61 J	3/04	218.1-225	B 61 F	5/26			20/00			4/00
24	B 60 K	6/00	172 5	B 61 B	12/00	226-230	B 61 F	1/00			5/20			101/00
		8/00	173 1	B 61 B	7/00	231	B 61 C	17/00			3/00	38 27	B 28 B	7/36
25	A 63 G	1/00			9/00	232-237	B 61 D	15/00			3/18			7/38
26 1	B 61 B	1/00			10/00	238 1,238.2	B 61 D	3/00				38 28	C 04 B	35/68
	B 61 J	3/02			12/00	239,240	B 61 D	11/00			4/00			7/28
26 2	B 61 K	7/02			12/00			17/02			101/00	38 3	C 09 D	1/02
27-31	B 61 B	1/00	173 2	B 61 J	3/04						201/00			7/28
	E 01 F	1/00	174-201	B 61 B	7/00	241.1	B 61 D	5/00						7/34
32 1	B 61 K	5/00			9/00	241.2	B 61 D	5/00						1/02
33	B 61 F	5/00			12/10	242-313	B 61 D	3/00			1/10	38 35	B 28 B	7/28
					12/12	314-354	B 60 M	5/00			4/00			7/34
34	B 60 D		202-239	B 61 B	12/12			13/00			101/00	38 4	B 28 B	7/34
	B 61 C		240	B 61 B	7/00			17/00			201/00			35/68
	B 61 K	11/00		D 07 B		355	B 61 D	3/00						4/00
35-43	B 60 S	13/02	241	A 62 B	35/00			7/00						101/00
	B 61 J	1/00		B 61 K	13/00	241.1	B 61 D	5/00						201/00
44	B 60 S	13/02	242-248	B 61 B	12/02			9/00						7/36
45-47	B 61 J	1/00		B 61 F	9/00	241.2	B 61 D	5/00						7/38
48-50	B 60 S	13/02		B 61 K	5/00			9/00						7/34
	B 61 J	1/10	249-260	B 61 K	7/00			7/00						7/28
		1/12	261	B 61 F	11/00			9/14						7/34
51,52	E 04 H	6/00	262-274	B 61 K	5/00	242-313	B 61 D	3/00						35/68
53-86	A 63 G	1/00	275-277	B 61 K	13/00			7/00						4/00
				E 01 B	7/28	314-354	B 60 M	5/00						101/00
				B 61 F	19/00			9/00						201/00
			279	B 61 F	19/06			17/00						7/28
			280	B 61 F	13/04			17/00						7/34
87	B 61 B	15/00	281,282	B 60 L	13/10			37/00						35/68
88	B 61 J	3/00	283	B 60 L	13/06			5/00						1/00
	B 61 K	1/00	284	B 60 L	13/02			11/00						3/00
89-95	B 61 B	3/00	285-287	B 60 L	11/00			15/00						5/00
	E 01 B	25/22	288	B 60 L	13/00	355	B 61 D	3/00						4/00
			289	B 60 L	13/00			17/00						101/00
96-105	B 61 B	3/00	290-294	B 60 L	15/00	356	B 61 D	15/00						201/00
		12/02	295	B 60 L	1/00	357	B 61 D	17/00						7/28
		1/06	296,297	B 60 L	1/00							38 6	B 28 B	7/28
	E 01 B	25/22												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 106—Con.			109,110	C 04 B	11/00		C 09 D	4/00	178-181	C 08 L	1/08			101/00
		111	C 04 B	24/00				101/00		C 09 J	4/00			201/00
		112,113	C 04 B	24/14				201/00			101/00	214	C 08 J	3/00
	C 04 B	35/68	114	C 04 B	24/10	150	C 08 B	1/00			201/00		C 08 K	
	C 08 L	93/00	115	C 04 B	24/34		C 08 H	1/00	182-185	C 08 H	1/00		C 09 D	4/00
	C 09 D	4/00	116	C 04 B	26/26		C 08 L	4/00		C 08 L	1/08			101/00
		101/00	117	C 04 B	7/14		C 09 D	4/00		C 09 J	4/00			201/00
		201/00	118-120	C 04 B	2/02			101/00			101/00		C 09 J	4/00
38.7	B 28 B	7/28			7/34			201/00			201/00			101/00
		7/34	121	C 04 B	9/00	151	C 08 H	1/00	186-191	C 08 B		215-217	C 08 L	5/00
	C 08 L	91/00	122	C 08 H			C 08 L	1/00		C 08 L	1/08		C 09 D	4/00
38.8	B 28 B	7/28	123 1,123 2	C 08 L	97/02			4/00		C 09 J	4/00			101/00
		7/34	124	C 08 L	89/00		C 09 D	101/00			201/00			201/00
	C 08 L	91/00	125-128	C 09 D	4/00			101/00					C 09 J	4/00
		95/00			101/00			201/00	192	C 08 K				101/00
	C 09 D	4/00			201/00	152	C 08 H	1/00		C 09 J	4/00			201/00
		101/00		C 09 J	4/00		C 08 L	89/00			101/00	218	C 08 L	89/00
38.9	B 28 B	7/28			189/00			91/00			201/00			91/00
		7/34			201/00		C 09 D	4/00	194	C 08 L	1/08			93/00
	C 09 D	1/00	129,130	C 09 D	4/00			101/00		C 09 J	4/00			95/00
74	C 04 B	12/04			101/00	153		201/00			201/00			97/00
		35/16			201/00		C 08 K	89/00	195	C 08 L	1/18		C 09 D	99/00
	C 09 D	1/02	131,132	C 08 L	89/00		C 08 L	89/00		C 09 J	4/00			4/00
	C 09 J	1/02			91/00		C 09 D	101/00			101/00			101/00
75	C 04 B	35/16		C 09 D	4/00			201/00	196	C 08 L	1/12	219-229	C 08 L	91/00
		38/00			101/00	154 1	C 08 L	89/00		C 09 J	4/00		C 09 D	4/00
	C 09 D	1/02			201/00	155	C 08 L	89/00			101/00			101/00
76	C 04 B	7/00		C 09 J	189/00	156	C 08 L	89/00			201/00			201/00
		28/26	133	C 08 L	89/00			91/00				230,231	C 08 L	91/06
		35/16			93/00			95/00	197 1	C 08 L	1/26		C 08 L	93/00
	C 09 D	1/02		C 09 D	4/00		C 09 D	4/00		C 09 J	4/00	232-235	C 08 J	3/02
77	C 04 B	28/14			101/00			101/00			201/00		C 08 J	3/02
		28/26			201/00			201/00	197 2	C 09 J	4/00	237-239	C 08 L	93/00
	C 09 D	1/02		C 09 J	189/00	157	C 08 H	1/00			101/00		C 08 L	93/00
78	C 09 D	1/02	134	C 08 K			C 08 L	89/00			201/00	240-242	C 08 L	91/00
		1/10		C 08 L	91/00		C 09 D	4/00	198	C 08 L	1/08	243-263	C 08 L	91/00
79	C 04 B	24/14			95/00			101/00		C 09 J	4/00		C 09 D	4/00
	C 09 D	1/04		C 09 D	4/00			201/00			101/00			101/00
		4/00			101/00	158	C 08 L	1/00			201/00	264	C 09 D	4/00
		101/00			201/00			89/00	199	C 08 L	1/00			101/00
	C 04 B	24/10		C 09 J	189/00		C 09 D	4/00		C 09 J	4/00		C 09 F	7/00
	C 09 D	1/02	135-137	C 08 K		159	C 08 L	89/00			101/00			101/00
		4/00		C 08 H	1/00			201/00	200	C 08 L	1/00			201/00
		101/00		C 08 L	89/00		C 09 D	4/00		C 09 D	4/00	265-269	C 08 L	91/00
		201/00		C 09 D	4/00			101/00			101/00		C 09 D	4/00
81	C 04 B	24/34			101/00		C 09 D	4/00		C 09 J	4/00			101/00
	C 09 D	1/04	139	C 08 H	1/00			201/00			101/00			201/00
		4/00		C 08 L	89/00	160	C 08 H	1/00			201/00	270	C 08 L	91/06
		101/00		C 09 D	4/00		C 08 L	89/00	201,202	C 08 L	1/00		C 09 D	4/00
82	C 04 B	24/08			101/00			91/00		C 09 D	4/00			101/00
	C 09 D	1/04		C 09 J	4/00		C 09 D	95/00			101/00			201/00
		4/00			101/00			4/00		C 09 J	4/00	271	C 08 J	3/02
		101/00			201/00			101/00			4/00		C 08 L	91/06
		201/00	140,141	C 08 H	1/00			201/00			101/00		C 09 D	4/00
	C 04 B	26/26		C 08 L	89/00	161	C 08 K				201/00			101/00
	C 08 L	91/00		C 09 D	4/00		C 08 L	89/00	203-204 1	C 08 L	1/00			201/00
		95/00			101/00		C 09 D	4/00		C 09 J	4/00	272	C 08 L	91/06
84	C 04 B	14/00			201/00			101/00			101/00	273 1	C 08 L	95/00
	C 09 D	1/02		C 09 J	4/00			201/00			201/00		C 09 D	4/00
		1/04			101/00	162	C 08 L	1/00	205-207	C 08 L	5/00			101/00
85-88	C 04 B	7/00			201/00			3/00		C 09 D	4/00			201/00
		9/00	142,143	C 08 H	1/00			5/00			101/00	274-277	C 08 L	95/00
		11/00		C 08 L	89/00		C 09 J	4/00			201/00	278-280	C 08 J	
	C 09 D	1/00		C 09 D	4/00			101/00		C 09 J	4/00		C 08 K	
89	C 04 B	7/02			101/00			201/00			101/00		C 08 L	95/00
90	C 04 B	7/02			201/00	163 1	C 08 L	1/00			201/00		C 09 D	4/00
		24/00	144	C 08 L	89/00	164-166	C 08 L	1/24	208,209	C 08 L	5/00			101/00
		24/14		C 09 D	4/00		C 09 J	4/00		C 09 J	4/00			201/00
91	C 04 B	24/10			101/00			101/00			101/00	281.1-284	C 08 L	95/00
92	C 04 B	24/34			201/00			201/00			201/00	284 01-284 06	C 09 D	4/00
93,94	C 04 B	24/08	145	C 08 H	1/00	167,168	C 08 L	1/02	210-212	C 08 L	3/00			101/00
95	C 04 B	26/26		C 08 L	89/00		C 09 J	4/00		C 09 D	4/00			201/00
96	C 04 B	7/02		C 09 D	4/00			101/00			101/00	284 1-284 4	C 08 L	95/00
97-99	C 04 B	7/02			101/00			201/00		C 09 J	4/00		C 09 D	4/00
100-102	C 04 B	7/36			201/00	169-176	C 08 L	1/08			101/00			101/00
		7/02	146-148	C 08 H	1/00		C 09 J	4/00			201/00	285	C 09 D	4/00
103	C 04 B	7/14		C 08 K				101/00	213	C 08 J	3/02			101/00
		11/00		C 08 L	89/00			201/00		C 08 L	3/00			201/00
104	C 04 B	7/32		C 09 D	4/00	177	C 08 H			C 09 D	4/00	286 1-286 8	C 09 D	1/00
105	C 04 B	9/00			201/00		C 08 L	1/08			101/00	287 1-287 35	C 07 G	
106	C 04 B	9/02			1/00		C 09 J	4/00			201/00		C 08 H	
107	C 04 B	24/00	149	C 08 H				101/00			201/00		C 09 K	
108	C 04 B	24/34		C 08 L	89/00			201/00		C 09 J	4/00			

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 106—Con.			504	C 09 D	11/06		E 06 B	5/12	165,166	F 23 J	1/00						5/44
				C 11 C	3/00		E 05 G	1/00	167-169	F 23 J	1/02						7/00
310	C 09 F	9/00	505,506	C 08 K	5/00	29-34	E 05 G	1/00			1/06	260	F 23 C				1/02
311	C 08 K						G 08 B	15/02	170	F 23 J	1/06						1/04
312	C 09 D	5/00				35	E 05 G	1/00	171,172	F 23 J	1/02	261,262	F 23 C				1/10
313	C 04 B	35/00					G 08 B	13/22	173-178	F 23 M	7/00						1/12
	C 09 K	3/00				36,37	E 05 G	1/00	179	F 23 M	11/02	263	F 23 D				1/00
314	C 04 B	14/00	U.S. Class 108				F 41 C	9/00		F 23 M	5/08	264	F 23 D				1/02
		16/00	HORIZONTALLY SUPPORTED PLANAR SURFACES				G 08 B	15/00			7/04	265,266	F 23 D				1/00
		18/00					E 05 G	1/00	181	F 23 M	5/00	267	F 23 K				3/00
		22/00	1-10	A 47 F	5/12	39	G 08 B	13/00	182	F 23 M	5/08	268	F 23 K				3/08
		24/00	11-26	A 47 B	85/00		E 05 G	1/00	182,5,182,6	F 23 L	5/00	269	F 23 H				11/00
		26/00	26,2	A 47 B	41/02	40,41	G 08 B	19/00	184	F 23 J	11/00	270-272	F 23 H				11/10
		28/00		B 43 L	25/00	42	E 05 G	1/00	185	F 23 N	5/00	273	F 23 H				11/12
315	C 04 B	12/04	27	A 47 B	17/00	43	G 08 B	13/00	186	F 23 N	5/18	274	F 23 H				11/00
		14/00	28-32	A 47 B	41/04	44	E 05 G	1/00	187	F 23 N	5/00	275,276	F 23 K				3/18
		16/00	33-41	A 47 B	3/00		G 08 B	13/08	188,189	F 23 N	5/18	277	F 23 K				3/16
		18/00	42-46	A 47 B	23/00		E 05 G	1/00	190	F 23 N	5/02	278-280	F 23 H				7/10
		22/00				45-49	G 08 B	13/06	191	F 23 N	5/22						7/16
		24/00	47,48	A 47 B	5/00	49,5	E 05 G	1/00	192	F 23 N	5/20	281-283	F 23 H				7/08
		24/08	49	A 47 B	23/00		E 06 B	9/00			5/22						7/14
		24/10	50	A 47 B	35/00	51,52	E 05 G	1/04	193	F 23 N	5/24	284	F 23 H				7/14
		24/14				53-57	E 05 G	1/00	194	F 23 G	1/00	285	F 23 K				3/00
		24/34	51,1,51,3	B 65 D	19/00	58	E 05 G	1/00	195	B 21 J	19/00	286-288	F 23 K				3/10
		26/00	52,1-54,1	B 65 D	19/38	58 5	E 05 G	1/024	196,197	F 23 B	1/28	289-291	F 23 K				3/12
		26/26	55,1,55,3	B 65 D	19/44		E 06 B	5/00			1/38	292,293	F 23 K				3/00
		28/00	55,5	B 65 D	19/38		E 06 B	5/10	198-202	F 23 B	1/10	294	F 23 H				13/00
		28/14	56,1,56,3	B 65 D	19/12	59-63,5	E 05 G	1/04	203	F 23 J	15/00	295,296	F 23 B				1/12
		28/26					E 05 G	7/30	204-207	F 23 B	5/02	297	F 23 L				
		38/00	57,1	B 65 D	19/38		E 06 B	1/026			9/00	298-300	F 23 H				3/00
316	C 03 C		59-64	A 47 B	57/00		E 05 G	1/026	208	F 23 B	5/04	301	F 23 L				15/00
	C 08 H		65,66	A 47 B	1/00	65	E 06 B	3/00	209	F 27 D	1/00	302-304	F 23 L				9/00
	C 08 K		67,68	A 47 B	1/06	66	E 05 G	1/026		F 23 B	1/14	305	F 23 L				15/00
	C 09 K		69-82	A 47 B	1/04	67,68	E 06 B	7/32			5/04	306,307	F 23 L				7/00
400,401	C 04 B	14/00	83-89	A 47 B		69-72	E 05 D	15/56	210-214	F 27 D	1/00						15/00
402	C 09 B	63/00	90	A 47 B	13/08		E 06 B	3/50		F 23 B	5/00	308	F 23 L				15/00
403,404	C 09 C	1/62	91	A 47 B	7/00		E 06 B	3/36		F 23 C	9/00	309-313	F 23 L				13/00
405	C 04 B	14/00	92-101	A 47 B	57/00	73	E 06 B	3/34		F 23 G	7/06	314	F 23 L				9/00
		18/04	102-105	A 47 B	11/00	74	E 06 B	3/36	215	F 23 J	15/00	315	F 23 L				1/00
406,407	C 04 B	16/02	106-110	A 47 B	9/00	75	E 06 B	7/16	216	F 23 J	3/00	316	F 23 M				13/00
408	C 04 B	16/00	111	A 47 B	3/00	76	E 06 B	3/04	217	F 23 J	3/04	317	F 23 M				5/00
	C 08 K	5/16			47/00	77	E 06 B	1/04	218	F 23 K	1/00	318	F 23 M				5/06
409	C 04 B	16/08	112,113	A 47 B	3/00	78	E 04 B	2/00	219,220	F 23 G	5/02	319	F 23 M				3/14
	C 08 K	7/22	114	A 47 B	3/00		E 04 C	2/00	221	F 23 G	5/04	320	F 23 M				3/22
410-413	C 09 B	67/50			47/00	79-85	E 05 G	1/02	222,223	F 23 G	5/02	321	F 23 B				1/30
414	C 09 C	1/32	115	A 47 B	3/00	87	E 04 B	2/02	224,225	F 23 G	5/04		F 23 C				3/00
415,416	C 04 B		116-120	A 47 B	3/02		E 04 F	15/00	226	B 23 K	3/02		F 23 J				1/00
417	C 04 B	14/20	121-135	A 47 B	3/00					B 44 B	7/02	322-326	F 23 M				9/00
418	C 04 B		136	A 47 B	9/02					F 23 D	14/00	327	F 23 K				3/00
419,420	C 04 B	14/00	137-143	A 47 B	11/00					D 06 F	75/00	328	F 23 H				17/00
	C 09 C	1/04	144-148	A 47 B	9/00					F 23 G	5/12	329	F 23 H				11/18
	C 09 C	1/06	149	A 47 B	5/00					D 06 F	75/00	330	F 23 H				11/20
421	C 09 C	1/06	150,151	A 47 B	13/02					F 23 B	1/14	331-335	F 23 M				5/06
422-431	C 04 B	14/00	152	A 47 B	5/00					F 23 G	5/12	336	F 23 M				5/00
	C 09 C	1/04	153-159	A 47 B	3/06					F 23 B	7/00	337	F 23 M				3/00
432	C 09 C	1/14			47/00	101-103	F 23 K	3/00	232	F 23 K	1/00	338-340	F 23 M				5/02
433	C 09 C	1/20	160,161	A 47 B	13/00	104-105,6	F 23 K	3/02	233,234	F 23 B	7/00	341-343	F 23 B				7/00
434,435	C 09 C	1/14				106	F 23 K	3/02	235,236	B 09 B	3/00	344	F 23 J				3/00
436-449	C 04 B					107	F 23 K	3/16		F 23 D	14/00	345	F 23 J				11/00
	C 09 C	1/36				108	F 23 K	3/10		F 23 G	5/12						15/00
450,451	C 08 K	3/00	U.S. Class 109					3/16			5/44	346	F 23 G				
452	C 09 C	1/10	SAFES, BANK PROTECTION AND RELATED DEVICES			109	F 23 K	3/12			7/00	347	F 23 D				1/00
453,454	C 09 C	1/34						3/16	237	F 23 G	7/00	348	F 23 L				
455	C 08 K	3/00				110	F 23 K	3/14	238	F 23 G	7/04	349	F 23 B				7/00
456-460	C 09 C	1/22						3/16	239-241	F 23 D	3/00						
461-471	C 09 C	1/02	1	E 05 G	1/00			3/18			5/00						
472-478	C 09 C	1/44	2	E 04 H	9/00	111-115	F 23 K	3/16			7/00						
479,480	C 04 B	14/00	3-8	E 05 G	5/00	116-118	F 23 K	3/16			9/00						
481-492	C 04 B	14/04	9	E 04 H	1/12	119	F 23 J	15/00			11/00						
493,494	C 08 K	5/00	10	A 47 F	9/00	120	F 23 B	5/00	242-245	F 23 G	5/00						
495	C 09 B	48/00		E 05 G	5/00		F 23 J	15/00			7/00						
		67/52	11-13	E 05 G	5/00	121-129	F 23 J	3/00	246	A 47 J	36/00						
496	C 09 B	27/00		E 06 B	9/00	145	F 23 J	11/00			36/24	7,1-7,4	A 01 C				23/02
497	C 09 B	48/00	14	E 05 G	5/00	146	F 23 J	11/04			5/00	8,9	A 01 C				7/00
498,499	C 08 K	5/00		E 06 B	9/08	147,148	F 23 J	11/00	247-249	F 23 G	7/00						15/00
500	C 09 D	4/00	15,16	E 06 B	7/08		F 23 L	13/00			5/00						19/00
		101/00	17,18	E 06 B	9/04		F 23 N	3/00	250	F 23 G	5/10	11-13	A 01 C				7/08
		201/00	19	E 06 B	7/32	150	F 23 L	17/16			5/12						15/00
			20	E 05 G	5/00	157,158	F 23 L	11/02			5/00						19/00
				G 08 B	15/02			13/00	251	F 23 G	5/00						
501	C 04 B		21	E 05 G	5/00	159-161	F 23 L	17/16			5/12	14-84	A 01 C				5/00
	C 08 L			G 08 B	13/00		F 23 N	3/00			7/00						7/18
502	C 09 D	11/04	21,5	E 06 B	7/30	162	F 23 L	17/00	252	F 23 G	5/08	89-91	A 01 C				5/00
		4/00	22-24	E 05 G	1/00		F 23 N	3/08			5/12	92-98	A 01 C				5/02
		101/00	24,1	G 07 G	5/00	163	F 23 L	1/00			5/44	99	A 01 C				5/00
		201/00	25	E 05 G	1/00			13/00	253-259	F 23 G	5/00	100,101	A 01 C				11/00
503	C 08 K	5/00	26,27	E 05 G	1/00		F 23 N	3/02			5/12		A 01 G				23/02

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 111—Con.			80 05,80.06	D 05 C	15/06		D 05 C	9/04	217	D 05 B	27/00	323	D 05 B	27/02
			80.07,80.08	D 05 C	15/16			9/10	217.1,217.2	A 47 B	29/00	324	D 05 B	27/00
102-117	A 01 C	11/00			15/18	121.16,121.17	D 05 B	3/12		D 05 B	75/00	400	B 32 B	7/08
118-129	A 01 C	23/00			15/20	121.18	D 05 B	3/04	217.3-221	D 05 B	69/00		D 05 B	93/00
130-133	A 01 C	7/08	80.15	D 05 C	15/20	121.19	D 05 B	13/00	222	D 05 B	85/00	401,402	D 05 B	93/00
		17/00			15/22	121.2	D 05 B	3/00	223	D 05 B	85/04	403	B 32 B	7/08
134-138	A 01 B	49/04	80.16,80.17	D 05 C	15/20	121.21	D 05 B	15/02			85/14		D 05 B	93/00
	A 01 C	5/00	80.18	D 05 C	15/08	121.22	D 05 B	23/00	224	D 05 B	87/00	404	D 05 C	17/00
		13/00			15/18	121.23	D 05 B	11/00	225	D 05 B	53/00	405	B 32 B	7/08
139-148	A 01 B	49/04	80.23,80.24	D 05 C	15/26	121.24	D 05 B	3/00			55/00	406	A 41 F	1/00
149-169	A 01 C	5/00	80.3	D 05 C	15/08	121.25	D 05 B	1/00			87/00	407	A 41 F	1/00
170-188	A 01 C	7/00			15/14	121.26	D 05 B	21/00	226	D 05 B	55/02		A 44 B	13/00
		9/00	80.31	D 05 C	15/28	121.27	D 05 B	23/00	227	D 05 B	51/00	408	A 41 F	1/00
189	A 01 C	13/00	80.32,80.33	D 05 C	15/14	121.28	D 05 B	3/00			55/06		A 44 B	1/18
190-198	A 01 C	5/00	80.4	D 05 C	15/10	121.29	D 05 B	33/00	228-231	D 05 B	57/14	409	B 32 B	7/08
		13/00			15/12			81/00	232-234	D 05 B	57/10	410,411	D 05 C	17/02
199	A 01 C	7/00			15/20	122-122.2	D 05 B	37/00	235	D 05 B	29/00	412	D 05 B	93/00
200	A 01 C		80.41	D 05 C	15/30	122.3,122.4	D 05 B	37/08	236	D 05 B	29/00	413-417	B 32 B	7/08
			80.42	D 05 C	15/20	125-128	D 05 B	37/00	237-239	D 05 B	29/00	418-428	B 32 B	7/08
					15/32	129,130	D 05 B	37/04	240	D 05 B	29/12	429	D 05 C	17/00
			80.43	D 05 C	15/20	131	A 41 H	1/06	241-248	D 05 B	49/00	430	D 05 C	17/00
					15/34		D 05 B	35/00	249	D 05 B	49/02	431	A 41 F	1/02
			80.44	D 05 C	15/20	132-135	D 05 B	35/08	250	D 05 B	49/00		D 05 C	17/00
					15/26	136	D 05 B	35/00	253	D 05 B	53/00	432-436	D 05 C	17/00
			80.45	D 05 C	15/10	137,138	D 05 B	35/06	254,255	D 05 B	47/00	437	A 41 F	1/02
					15/12	139	D 05 B	35/00	256	D 05 B	71/00		D 05 C	17/00
1	D 05 B				15/22	140	D 05 C	7/08	257-260	D 05 B	75/00	438	D 05 B	93/00
2	D 05 B	23/00	80.5	D 05 C	15/26	141-143	D 05 B	35/02	261	D 05 B	83/00	439	D 05 C	17/00
2.1,2.2	D 05 B	11/00	80.51-80.53	D 05 C	15/22	144-146	D 05 B	35/08	262.1	D 05 B	1/00	440,441	B 32 B	7/08
4-9	D 05 B	23/00			15/32	147-149	D 05 B	35/00			97/00	443	D 05 B	3/02
10,11	D 05 B	13/00			15/22	150	D 05 B	29/00	262.2,262.3	D 05 B	1/00	444	D 05 B	3/02
12	D 05 B	23/00	80.54	D 05 C	15/32			35/00	263.1	D 05 B	23/00			35/12
13,14	D 05 B	39/00			15/24	151	D 05 B	35/00	264.1	D 05 B	3/06	445	D 05 B	3/02
15	D 05 B	23/00	80.55	D 05 C	15/24	152,153	D 05 B	35/10	265.1,265.2	D 05 B	3/12			19/00
		35/10	80.56	D 05 C	15/36	154	D 05 B	1/00			3/14	446	D 05 B	3/06
		35/12	80.57-80.59	D 05 C	15/24	155	D 05 B	25/00			3/16			3/08
16	D 05 B	15/00			15/36	156	D 05 B	23/00			3/18	447	D 05 B	3/06
		23/00	80.6	D 05 C	15/24	157	D 05 B	3/04			3/20			19/00
		27/10	80.7	D 05 C	15/16	158	D 05 B	3/02	266.1	D 05 C	3/00	448	D 05 B	3/06
		27/18			15/26	159	D 05 B	3/04			5/00	449	D 05 B	3/06
17	D 05 B	67/00	80.71	D 05 C	15/26	160,161	D 05 B	1/20	266.2	D 05 C	15/00	450	D 05 B	3/02
18,19	D 05 B	27/00			15/34	162	D 05 B	57/06	267.1	D 05 B	1/24	451	D 05 B	3/02
		27/10	80.72,80.73	D 05 C	15/18			1/08	268.1	D 05 B	1/24	452	D 05 B	3/02
		27/18	81,82	D 05 B	9/00	163,164	D 05 B	1/06	269.1	D 05 B	1/20	453-458	D 05 B	55/10
20	D 05 B	23/00	81,83	D 05 C	3/04	165,166	D 05 B	1/10	270	D 05 B	59/00			3/02
		35/00	84	D 05 C	5/00			1/08			51/00			19/00
21	B 42 B	2/00	85,86	D 05 C	5/00	167	D 05 B	1/20			81/00	459,460	D 05 B	21/00
		2/02			7/04	168	D 05 B	1/14	271-277	B 65 H	63/00	461	D 05 B	3/02
22	B 42 B	2/00	87	D 05 C	3/04	169	D 05 B	1/00	278	D 05 B	69/36	462	D 05 B	3/02
		2/08	88	D 05 C	3/04	170,171	D 05 B	23/00	279	B 65 H	54/18			3/04
23,24	D 05 B	23/00			7/08	172	D 05 B	1/20		D 05 B	59/00	463	D 05 B	3/02
25,26	D 05 B	7/00	89-92	D 05 C	3/04			23/00	280,281	D 05 B	71/00	464	D 05 B	27/22
27	D 05 B	7/00			7/04	173-175	D 05 B	1/04	282	D 05 B	81/00	465,466	D 05 B	3/02
		27/00	93	D 05 C	3/04	176	D 05 B	1/24	283,284	B 65 H	59/00	467	D 05 B	3/02
28	D 05 B	15/00			11/00	177,178	D 05 B	1/24		D 05 B	51/00			27/22
29-40	D 05 B	15/02	94	D 05 C	3/04			57/06	285-301	D 05 B	65/00			3/02
41,42	D 05 B	15/02	95	D 05 C	3/04	179	D 05 B	1/00	302	B 65 H	57/00			57/00
		67/00			11/18			47/00	303-309	D 05 B	27/00			
43	D 05 B	15/02	96	D 05 C	3/04	180	D 05 B	57/26	310	D 05 B	27/20			
		71/00	97	D 05 C	3/04	181-184	D 05 B	57/14	311	D 05 B	27/00	U.S. Class 114		
44	D 05 B	15/06			11/08	185,186	D 05 B	57/10	312,313	D 05 B	27/08	SHIPS		
45	D 05 B	15/02	98	D 05 C	3/02	187	D 05 B	61/00	314	D 05 B	27/16			
46	D 05 B	15/06	99-101	D 05 C	3/02	188	D 05 B	57/10	315,316	D 05 B	27/22	1	B 63 G	9/00
47	D 05 B	15/00			7/08			57/16	317	D 05 B	27/00	2,3	B 63 G	1/00
		27/26	102	D 05 C	3/02			1/10	318	D 05 B	27/12	4-8	B 63 G	3/10
48,49	D 05 B	15/00			7/04			1/10			27/14	9-13	B 63 G	9/04
		27/00	103	D 05 C	7/04	189-191	D 05 B	57/08			27/16	15	B 63 G	9/00
50,51	D 05 B	15/00			9/04	192,193	D 05 B	57/12	319	D 05 B	27/00	18,19	B 63 G	3/02
		35/10	104	D 05 B	3/12	194,195	D 05 B	57/08	320	D 05 B	27/04			5/00
52	D 05 B	15/00	105-107	D 05 B	3/18	196	D 05 B	57/16	321	D 05 B	27/20	20.1-20.3	F 42 B	19/00
		31/02	108,109	D 05 B	3/16			57/18	322	D 05 B	27/10	21.1-21.3	F 42 B	19/01
53-59	D 05 B	15/00	110-112	D 05 B	3/14			57/20			27/12	22	F 42 B	19/00
60,61	D 05 B	15/00	113	D 05 B	3/22	197	D 05 B	1/06			27/14	23,24	F 42 B	19/01
		29/04	114,115	D 05 B	3/00			1/10			27/16	25	F 42 B	19/04
62	D 05 B	15/00	116	D 05 B	33/00	198	D 05 B	1/06			27/18	26	B 63 B	35/28
		39/00			23/00			1/10						
		75/00	117	D 05 B	11/00			85/06						
63,64	D 05 B	23/00	118,119	D 05 B	11/00	199,200	D 05 B	1/06						
65-77	D 05 B	3/00			35/00			1/10	319	D 05 B	27/00			
78	D 05 C	3/00	120	D 05 B	1/00			57/00	320	D 05 B	27/04			
80.01	D 05 C	15/00			23/00	201	D 05 B	1/06	321	D 05 B	27/20			
		15/04	121	D 05 B	23/00			1/10	322	D 05 B	27/10			
80.02	D 05 C	15/02	121.11	D 05 B	19/00			57/04			27/12			
80.03	D 05 C	15/06	121.12	D 05 B	21/00	202	D 05 B	1/06			27/14			
80.04	D 05 C	15/06	121.13,121.14	D 05 B	3/00			1/10			27/16			
		15/08	121.15	D 05 B	21/00			57/02			27/18			

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 114—Con.														
27-38	B 63 B	35/30	190	B 63 B	29/02	305	B 63 B	21/36	281	G 01 D	3/00	206-209	G 01 D	21/00
391	B 63 B	35/00	191	B 63 C	9/22	306	B 63 B	21/38	29	B 61 L	5/12	210	B 64 B	1/40
392	B 63 B	35/79	192,193	B 63 B	29/12	307	B 63 B	21/44			15/00	211	G 08 B	1/00
	B 63 H	9/00	194,195	B 63 B	29/10	308-310	B 63 B	21/38	30	B 61 L	1/42	212	G 01 L	5/00
40-42	B 63 B	35/08	197,198	B 63 B	29/04	311	B 63 B	21/48	31	B 60 Q	9/00	213	G 03 B	17/00
43	B 62 B	15/00	199	B 63 B	13/00	312,313	B 63 G	8/00	32	B 60 Q	25/00	214	G 08 B	5/40
44	B 63 C	7/00	200	B 63 B	21/08	314	B 63 C	11/00	33	B 60 R	5/20	215	B 08 B	5/00
45-48	B 63 C	1/02	201	B 63 B	19/12	315	B 63 C	11/46		B 62 H	23/02	216-220	G 01 K	1/02
49-55	B 63 C	7/00	202	B 63 B	19/18	316-320	B 63 G	8/28	34	B 60 C	23/06	221	G 01 K	5/00
56-63	B 63 B	1/00	203	B 63 B	19/12	321	B 63 G	8/00			1/26	222-225	A 63 F	1/18
65	B 63 B	3/00	204,205	B 63 H	9/10	322-325	B 63 G	8/41	35,36	B 60 Q	1/54			7/22
		5/00	210	B 63 J	21/22	326-329	B 63 G	8/40		B 60 Q	1/52	226	B 66 B	3/02
		9/06	211,212	F 16 G	11/00	330,331	B 63 G	8/14	37,38	B 60 Q	5/00	227	G 01 F	23/00
66	B 63 B	35/00	213-217	B 63 B	21/04	332	B 63 G	8/18	57	B 60 Q	5/00	228	G 01 F	23/30
67	B 63 B	1/34	218	B 63 B	21/04	333	B 63 G	8/22	58-62	B 60 Q	5/00	229	G 01 F	23/32
68,69	B 63 B	43/10	219,220	B 63 B	59/02	334	B 63 G	8/36	62.1-62.4	G 01 P	9/10	230-233	B 23 Q	17/00
70	B 63 B	27/14	221	B 63 B	9/00	335,336	B 63 G	8/40	63	E 01 F	3/00	234-240	B 42 D	9/00
		35/00	222	B 63 B	59/00	337,338	B 63 G	8/08		G 08 B	19/06	241-263	H 03 J	1/00
71	B 63 B	29/02	223	B 25 B	25/00	339	B 63 G	8/06	64	B 66 B	3/00	264	G 01 F	15/00
		29/22	224	B 63 B	9/00	340	B 63 G	8/38	67	G 08 B	3/00	265	G 01 P	5/00
72	B 63 B	25/00	227-229	B 63 B	43/16	341,342	B 63 G	8/00			3/02	266	G 01 P	3/00
73	B 63 B	25/02	230,231	B 63 B	21/00	343	B 63 B	3/10	68	B 66 B	3/00	267-272	G 01 L	19/12
74-76	B 63 B	25/08	232-234	B 63 B	39/10	344	B 60 P	21/64			19/06	273-275	G 01 F	15/00
77	B 63 B	3/02	238,239	B 63 B	1/00		B 63 B	13/00	69	G 01 W	1/14	276	G 01 F	15/04
78	B 63 B	3/56	240	B 63 G	9/00	345	B 63 B	7/00	70	G 01 L	19/12	277	F 16 K	37/00
79-81	B 63 B	3/00	241	B 63 G	9/04	346	B 63 B	3/00	71-74	G 08 B	21/00	278	G 01 D	21/00
82	B 63 B	5/02	242	B 63 B	21/56	347	B 63 B	35/00	75	G 08 B	13/00	279	G 09 F	9/00
83	B 63 B	3/00	243	F 15 D	1/10		B 63 B	35/71	76	G 08 B	13/08		H 01 H	9/16
84-88	B 63 B	3/00	244	B 63 B	21/66	348	B 63 C	9/02	77-80	G 08 B	13/02	280	G 01 D	11/00
		5/00		B 63 G	8/42	349,350	B 63 B	9/06	81	G 08 B	13/12	281-283	G 01 D	5/00
89-101	B 63 B	15/00		B 63 G	9/00	351	B 63 B	35/00	82-84	G 08 B	13/02	284	G 01 D	13/00
	B 63 H	9/10	245	B 63 G	8/14	352	B 63 B	7/04	85-97	G 08 B	13/08		G 09 F	9/00
102-115	B 63 H	9/04		B 63 H	8/22	353,354	B 63 B	7/00	98	G 08 B	13/10	285	G 01 D	11/00
116	B 63 B	11/00	246	B 63 B	25/00	355,356	B 63 B	3/00	99	G 08 B	13/14	286-288	G 01 D	11/28
		19/00	247,248	B 63 B	21/56	357	B 63 B	5/24		G 08 B	21/00	289,290	G 01 D	11/00
117-120	B 63 B	19/00	249,250	B 63 B	21/58	358	B 63 B	5/02	101,102	G 08 B	17/00	291	G 01 D	11/06
	E 05 F		251	B 63 B	21/04	359	B 63 B	3/00			17/04	292	G 01 D	13/10
121	B 63 B	9/08	252	B 63 B	21/06		B 63 B	5/00			17/04	293	G 01 D	13/26
		43/06	253	B 63 B	21/04	360	B 63 B	43/02	103	G 08 B	17/00	294,295	G 01 D	11/16
		43/08		B 63 B	21/56	361	B 63 B	17/00	104-108	G 08 B	17/04	296	G 01 D	13/24
122	B 63 B	39/00	254	B 63 B	21/16		B 63 B	17/02	109	G 01 F	23/00	297	G 01 D	11/16
		43/02	255	B 63 B	35/14	362-364	B 63 B	17/00	110,111	G 01 F	1/00	298	G 01 D	13/12
123	B 63 B	43/14	256,257	B 65 D	88/78	365	B 63 B	23/00	112,113	G 08 B	21/00	299	G 01 D	13/08
124	B 63 B	39/02	258	B 63 B	35/44	366	B 63 B	23/38		B 06 B	3/00	300,301	G 01 D	13/22
		39/03	259,260	B 63 B	35/40	367	B 63 B	23/00		G 10 K	5/00	302	G 01 D	13/00
		43/08	261,262	B 63 B	35/50		B 63 C	9/22			9/00	303	G 01 D	13/22
125	B 63 B	39/03	263	B 63 B	35/44		B 63 B	23/02			9/10	304	G 01 D	11/00
		43/06		E 02 B	3/00	368-372	B 63 B	23/04	138	G 10 K	5/00	305	G 01 D	11/24
126	B 63 B	39/06	264-267	B 63 B	35/44	373	B 63 B	23/18			9/02	306-324	G 09 F	9/00
		43/04	268	B 63 B	27/00	374	B 63 B	23/00			9/04	325,326	G 08 B	5/00
127-139	B 63 B	3/38	269	B 63 B	35/00	375-378	B 63 B	23/00	139	G 10 K	5/00	327-332	G 01 D	13/22
		41/00	270	B 63 B	35/00	379	B 63 B	9/22			9/04	333	G 01 D	11/08
140	B 63 B	3/38			35/73		B 63 B	23/00	140,141	G 10 K	5/00	334-337	G 01 D	13/02
141	B 63 B	41/00			38/00	380	B 63 B	23/64	142	G 10 K	9/00			
142	B 63 B	3/44	271	B 63 B	1/00	381	B 63 B	23/66	143-146	G 10 K	9/20			
		39/06	272,273	B 63 B	1/16				147	G 10 K	7/00			
143	B 63 B	41/00	274	B 63 B	1/24	U.S. Class 116			148	G 10 K	1/36	U.S. Class 118		
144	B 63 H	25/00			1/26	SIGNALS AND INDICATORS			149	G 10 K	1/26	COATING APPARATUS		
145	B 63 H	25/44	275-277	B 63 B	1/28				150	G 10 K	1/38	13	A 01 J	27/02
		25/48	278,279	B 63 B	1/24						1/068		A 21 C	9/04
146	B 63 H	21/26			1/26						1/06		A 23 G	3/20
147,148	B 63 H	25/42	280,281	B 63 B	1/28						1/00	14	A 23 G	3/28
149	B 63 H	25/52	282	B 63 B	1/30	1	G 08 B	19/00			1/064	15-17	A 23 G	3/20
150	B 63 H	25/22	283	B 63 B	1/20	2	G 08 B	7/00			1/067	18	A 21 C	9/04
151	B 63 H	25/46	284-287	B 63 B	1/22	3-5	G 08 B	15/00			1/10	19	A 23 G	3/26
152,153	B 63 H	25/00	288-291	B 63 B	1/32	6,7	G 08 B	45/00			1/064	20-23	A 23 G	3/20
154-159	B 63 H	25/08	292	B 63 B	1/00	8	E 05 B	13/06			1/08	24,25	B 05 C	5/00
160,161	B 63 H	25/10	293	B 63 B	21/24		G 08 B	15/00			3/00	26-30	A 23 G	3/24
162-169	B 63 H	25/06			21/50			45/00			1/10		B 05 C	3/00
170,171	B 63 H	25/34	294	B 63 B	21/24	9	E 05 B	13/08			1/32	31	B 05 C	11/11
172	B 63 H	25/00	295	B 63 B	21/26		G 08 B	15/00			1/10	31.5	B 41 K	1/00
173-178	B 63 B	19/00			21/28			45/00			1/32	32-47	B 05 C	11/00
179	B 63 B	21/14	296	B 63 B	21/27	10	E 05 B	15/02			1/071	50,50.1	C 23 C	14/00
180	B 63 B	21/08	297	B 63 B	21/24		G 08 B	45/04			1/34	52-56	B 05 C	11/02
		21/18	298	B 63 B	21/30	11	E 05 B	15/00			17/00			13/02
181	B 63 B	21/14	299	B 63 B	21/46		G 08 B	15/02			11/00	57-70	B 05 C	11/00
182	B 63 B	19/26	300	B 63 B	21/30	12-14	G 08 B	15/00			13/00			13/02
183-185	B 63 B	13/00	301	B 63 B	21/32	15	G 08 B	15/00			3/00	71	B 05 C	13/00
		29/16			21/34	16	G 08 B	15/02			5/12			13/02
		4/00	302	B 63 B	21/30	17	G 08 B	9/00			13/22	72-78	B 05 C	11/00
186	B 63 B	29/16			21/32	18-25	G 08 B	45/04						
187	B 63 B	15/00			21/34	26,27	B 63 B	5/00						
		19/00	303	B 63 B	21/24		F 21 Q	11/00						
188	B 63 B	29/04	304	B 63 B	21/38	28	B 60 Q							

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 118—Con.			U.S. Class 119			U.S. Class 122			U.S. Class 123			U.S. Class 124		
79	G 03 B	27/66	645	G 03 G	15/06	LIQUID HEATERS AND VAPORIZERS			191-193	F 22 B	5/00	344	F 22 B	21/04
100-126	B 05 C	11/02	647-652	G 03 G	15/10	1	F 22 B	33/00	194-207	F 22 B	5/02	345	F 22 B	31/00
200-255	B 05 C	1/00	653-656	G 03 G	15/01	2	B 09 B	3/00	208	F 22 B	37/12	346,347	F 22 B	21/00
256	B 05 C	1/06	657-658	G 03 G	15/08	3	F 22 B	33/00	209-232	F 22 B	23/00	348	F 22 B	21/04
257	B 05 C	1/14	659-662	G 03 G	15/09	4	B 09 B	3/00	233,234	F 22 B	25/00	349-352	F 22 B	11/02
258-262	B 05 C	1/08	663-714	B 05 C	11/00	5	F 22 B	13/06	235	F 22 B	5/00	353,354	F 22 B	21/04
263-271	B 05 C	11/00	715-733	C 23 C	16/00	6	B 09 B	3/00	236	F 22 B	15/00	355-359	F 22 B	31/00
300	B 05 B	7/00	U.S. Class 120			7	F 22 B	1/00	237-240	F 22 B	37/10	360-365	F 22 B	21/24
	B 05 C	5/00	ANIMAL HUSBANDRY			8,9	C 10 J	1/00	241	F 22 B	21/00	366	F 22 B	37/12
301	B 05 B	15/04	1	A 01 K	45/00	10	F 22 B	37/00	242,243	F 22 B	5/02	367	F 22 B	37/10
302	B 05 B	7/16	2-4	A 01 K	61/00	11	F 22 B	1/00	244-246	F 22 B	37/12		F 28 F	1/00
	B 05 C	15/02	5	A 01 K	63/00	12	F 22 B	5/00	247,248	F 22 B	21/00	368,369	F 22 B	13/00
303,304	B 05 B	17/00	6	A 01 K	67/04	13-17	F 22 B	31/00	249-251	F 22 B	13/10	370	F 22 B	13/00
	B 05 C	5/00	7-14	B 61 D	3/00	18,19	F 22 B	5/02	252	F 22 B	17/00	371-378	F 22 B	3/04
305	B 05 B	13/02	14.01-14.18	A 01 J	3/00	20	F 22 B	1/00	253-255	F 22 B	17/04	379	F 22 B	37/18
	B 05 C	5/00				21	F 22 B	3/00	256,257	F 22 B	17/00		F 23 H	3/04
306	B 05 B	13/06				22	F 22 B	31/04	258	F 22 B	17/00		F 28 G	1/00
	B 05 C	5/00				23,24	F 22 B	31/00			21/00	380	F 22 B	37/18
307	B 05 B	13/02	14.19-14.21	A 01 J	3/00	25	F 22 B	31/04	259	F 22 B	5/00		F 28 G	1/00
	B 05 C	5/00	14.22,14.23	A 01 J	1/00	26	F 22 B	3/06	260	F 22 B	37/12	381,382	F 22 B	37/54
308,309	B 05 B	7/00	14.24-14.26	A 01 J	5/02	27,28	F 28 C	3/00	261	F 22 B	21/26		F 28 G	9/00
	B 05 C	5/00	14.27	A 01 J	5/04	29,30	F 22 B	1/02	262-264	F 22 B	21/28			15/00
310	B 05 B	7/26	14.28	A 01 J	5/04	31-34	F 22 B	13/00	265	F 22 B	15/00	383-386	F 22 B	37/48
	B 05 C	5/00	14.29-14.53	A 01 J	5/04	35	F 22 B	1/02	266	F 22 B	21/22	387	F 22 B	37/48
311	B 05 B	7/06	14.54,14.55	A 01 J	5/00	36	F 22 B	37/22	267	F 22 B	25/00		F 28 G	1/00
	B 05 C	5/00	15-15.6	A 01 K	1/00	37,38	F 22 B	1/14	268	F 22 B	25/00	388,389	F 22 B	9/00
312	B 05 B	7/00	16-18	A 01 K	31/00	39-41	F 22 B	33/02			15/00		F 28 G	9/00
	B 05 C	5/00	19	A 01 K	1/02	42,43	F 22 B	27/00	269,270	F 22 B	17/00	390	F 22 B	37/52
313-316	B 05 B	7/06	20	A 01 K	31/18	44-49	F 22 B	11/00	271,272	F 22 B	25/00		F 28 G	9/00
	B 05 C	5/00	21-23	A 01 K	1/02	50-52	F 22 B	9/08			21/00	391	F 22 B	9/08
317,318	B 05 B	13/06	24-26	A 01 K	31/00	53	F 22 B	9/12	273,274	F 22 B	25/00		F 22 B	37/52
	B 05 C	5/00	27,28	A 01 J	1/00	54-67	F 22 B	11/00			5/02	392	F 22 B	5/04
319	B 05 B	13/02	29,29.5	A 01 K	15/00	68-71	F 22 B	9/08			21/22	393	F 22 B	37/18
	B 05 C	5/00	30	A 01 K	31/18	72-74	F 22 B	9/12	275-278	F 22 B	21/36			37/48
320	B 05 B	13/04	31-34	A 01 K	41/02	75-78	F 22 B	11/00	279	F 22 B	21/30		F 28 G	1/00
	B 05 C	5/00	35-43	A 01 K	31/18	79-101	F 22 B	9/08			15/00	394	F 22 B	37/18
321,322	B 05 B	13/02	44	A 01 K	41/00	102-105	F 22 B	9/12	280-283	F 22 B	21/30	395	F 22 B	37/48
	B 05 C	5/00	45	A 01 K	41/02	106-109	F 22 B	9/06	284	F 22 B	21/04		F 28 G	1/12
323	B 05 B	3/00	46	A 01 K	31/00	110	F 22 B	9/12	285,286	F 22 B	15/00	396	F 22 B	37/48
	B 05 C	9/06	47-50	A 01 K	31/14	111,112	F 22 B	11/00			37/10		F 28 G	13/00
324,325	B 05 B	13/02	51-70	A 01 K	1/10	113	F 22 B	9/08	287	F 22 B	31/04	397	F 22 B	37/18
	B 05 C	5/00				114-120	F 22 B	9/12	288,289	F 22 B	31/00			37/48
326	B 05 B	1/28				121,122	F 22 B	9/06	290,291	F 22 B	17/10	398	F 22 B	37/48
		15/04				123-129	F 22 B	9/08	292-303	F 22 B	17/10		F 22 B	5/00
	B 05 C	15/12	71	A 01 K	9/00	130-134	F 22 B	11/00			31/00	399	F 22 B	37/50
400-403	B 05 C	3/00	72-81	A 01 K	7/00	135-137	F 22 B	9/02	304	F 22 B	31/04	400	F 22 B	37/48
404,405	B 05 C	3/02	82	A 01 K	29/00			9/06	305-309	F 22 B	5/02	401	F 22 B	37/48
406	B 05 C	3/00	83-94	A 01 K	13/00			9/02	310	F 22 B	7/04		F 28 G	9/00
407-415	B 05 C	3/02	95	A 01 K	23/00			11/00	311-314	F 22 B	5/02	402	F 22 B	37/48
416-418	B 05 C	3/00	96	A 01 K	29/00			7/00	315	F 22 B	5/02	403	F 22 B	37/48
419,420	B 05 C	3/12				138	F 22 B	31/02			17/00		F 22 D	1/00
421-429	B 05 C	3/00				139	F 22 B	7/04	316	F 22 B	5/02	404	F 22 B	37/48
		19/02	97	A 01 K	37/00	140,141	F 22 B	7/00			15/00		F 22 D	7/04
500-503	B 05 C	13/00	98-103	A 01 D	3/00	142	F 22 B	7/04	317	F 22 B	5/02	405	F 22 B	37/48
		13/02	104	A 01 K	29/00	143,144	F 22 B	7/12	318,319	F 22 B	5/02	406	F 22 B	7/00
504,505	B 05 C	11/11	105	A 01 K	13/00	145,146	F 22 B	7/06	320	F 22 B	21/00	407	F 22 B	1/00
506	B 05 C	11/00	106	A 01 K	27/00	147	F 22 B	7/06			5/02			7/04
	B 27 K	3/02	107,108	A 01 K	29/00	148	F 22 B	7/00	321-323	F 22 B	21/00	408-411	F 22 B	7/00
		3/15	109	A 01 K	1/00	149	F 22 B	7/12	324-329	F 22 B	21/22	412-414	F 22 B	1/00
600-612	G 03 F	7/16	110-117	A 01 K	1/00	150,151	F 22 B	7/04			21/34	417-419	F 22 B	1/00
	B 05 C	11/00	118,119	A 01 K	1/06			7/12	330	F 22 B	21/22	420,421	F 22 B	1/02
620	B 05 B	5/025				152	F 22 B	7/16			21/34	422	F 22 B	1/40
	B 05 C	5/00	120,121	A 01 K	3/00	153,154	F 22 B	7/04			31/04	423,424	F 22 B	11/00
		9/08	122-125	A 01 K	15/00	155-163	F 22 B	7/00	331	F 22 B	15/00		F 22 B	1/00
621	B 05 B	5/025	126-128	A 01 K	1/14	164	F 22 B	7/18	332,333	F 22 B	21/00	425	F 22 B	1/40
	B 05 C	5/02				165	F 22 B	7/00	334	F 22 B	21/00	426-428	F 22 B	1/00
622	B 05 B	5/025	129	A 01 K	29/00	166-175	F 22 B	7/04			31/00	429,430	F 22 B	37/54
		5/12	130-133	A 01 K	25/00	176,177	F 22 B	7/06	335-337	F 22 B	21/00		F 22 D	1/00
	B 05 C	5/02	134	A 01 K	19/00	178-180	F 22 B	7/14			21/04	431	F 22 B	37/18
623-629	B 05 B	5/025	135	A 01 K	15/00	181	F 22 B	7/04			21/04		F 22 D	1/00
	B 05 C	5/02	136-146	A 01 K	29/00	182	F 22 B	7/12	340	F 22 B	31/00	432	F 22 B	1/00
630-638	B 05 B	5/025	147-150	A 01 K	1/00	183-186	F 22 B	7/04			21/04	433	F 22 B	1/00
639-643	B 05 B	5/00	151-157	A 01 K	29/00	187	F 22 B	7/12	341	F 22 B	11/00			37/18
644	B 05 B	5/025	158	A 01 K	29/00	188,189	F 22 B	5/00			21/04	434	F 22 B	1/42
	B 41 M	1/42	159,160	A 01 K	29/00	190	F 22 B	5/02	342,343	F 22 B	21/04	435-438	F 22 B	1/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 122—Con.			41	F 01 L	13/02	64	F 02 B	75/02	90.62	F 01 L	1/14	281-285	F 02 B	19/16
439	F 22 D	1/02			29/00	65	F 02 B	75/02			1/20	286-288	F 02 B	19/18
441	F 22 D	1/28			27/00		F 02 D	39/04			1/22	289	F 02 B	19/04
		1/32	41.01	F 01 P	9/00	66	F 02 B	33/04	90.63	F 01 L	1/14	290	F 02 B	19/08
		1/40	41.02, 41.03	F 01 P	7/00	67	F 02 B	33/44			1/24	291	F 02 B	19/18
442, 443	F 22 D	1/28	41.04-41.07	F 01 P	7/02	68	F 02 B	33/00	90.64	F 01 L	1/14	292	F 02 B	19/02
444	F 22 D	1/02	41.08-41.1	F 01 P	7/14	69	F 02 B	1/08	90.65	F 01 L	3/10	293	F 02 B	19/18
446	F 22 D	7/00	41.11-41.13	F 01 P	7/02	70	F 02 B	33/22		F 16 F	1/00	294	F 02 B	3/00
447	F 22 B	37/46	41.14	F 01 P	11/02	71	F 02 B	33/10			13/00		F 02 M	
448, 449	F 22 B	37/42			11/20	72	F 02 B	33/20	90.66	F 16 F	13/00	295	F 02 B	17/00
	F 22 D	5/00	41.15	F 01 P	5/14	73	F 02 B	33/04	90.67	F 01 L	3/10	296	F 02 M	57/04
450-456	F 22 D	5/26			11/14	74	F 02 B	33/12	142.5	F 02 M	17/02	297	F 02 M	57/06
457	F 22 D	1/12	41.16	F 01 L	3/14	76	F 02 B	25/00	143	F 02 P	23/00		F 02 P	23/02
458	F 22 D	1/12	41.17	F 01 P	9/02	77	F 02 B	75/00	144	F 02 P	21/00	298-300	F 02 B	3/00
		5/26	41.18	F 01 P	9/00	79	F 01 L	1/28	145	F 02 B	9/08	301	F 02 B	31/00
459	F 22 G	1/00	41.19	F 01 P	3/22	80, 81	F 01 L	7/00	146	F 02 P	19/00	302, 303	F 02 B	3/00
		3/00	41.2-41.27	F 01 P	9/02	82, 83	F 01 L	1/12	146.5	F 02 P	1/00	304	F 02 B	43/00
	F 28 B	1/00	41.28	F 02 B	75/18	84, 85	F 01 L	1/26	147	F 02 P	15/00	305	F 02 B	5/00
460	F 22 G	3/00	41.29	F 01 P	3/00	86	F 01 L	1/28	149	F 02 P	1/00	306	F 02 B	31/00
461-464	F 22 G	7/00	41.3	F 01 P	9/04	87-89	F 01 L	1/12	150-152	F 02 P	13/00	307	F 02 F	3/24
465	F 22 G	7/10	41.31	F 01 P	1/06	90.1	F 01 L	1/00	153, 154	F 02 P	15/00	308, 309	F 02 B	31/00
466	F 22 G	7/00			3/12			3/00	155	F 02 P	15/06	310	F 02 P	15/02
467, 468	F 22 G	3/00	41.32	F 01 P	1/10		F 01 M	1/00	156-161	F 02 P	15/00	311-318	F 02 B	75/02
		7/00			3/16			9/00	162	F 02 P	15/04		F 02 D	39/02
469	F 22 G	7/08	41.33	F 01 P	11/08		F 16 F	1/00	163	F 02 P	15/00	319, 320	F 02 D	
470	F 22 G	7/12	41.34	F 01 P	1/06			13/00	164	F 02 P	5/00	321, 322	F 02 D	13/04
471-476	F 22 G	7/14			3/12		F 16 K	41/00	169	F 02 P	1/00	323	F 02 D	9/06
477	F 22 D	1/00	41.35-41.39	F 01 P	1/04	90.11	F 01 L	9/04	179	F 02 N	17/00	324-328	F 02 D	
	F 22 G	7/14			3/06	90.12-90.14	F 01 L	9/02	180	F 02 M	1/16	329	F 02 P	5/00
478	F 22 G	7/14	41.4, 41.41	F 01 P	1/08	90.15-90.18	F 01 L	1/34	182	F 01 L	13/08	330	F 02 B	33/00
479	F 22 G	5/00			3/14	90.19-90.21	F 01 L	1/00	183	F 02 N	13/00	331-333	F 02 D	
480	F 22 G	5/04	41.42, 41.43	F 01 P	3/00	90.22-90.23	F 01 L	1/26	184	F 02 N	17/00	334, 335	F 02 P	9/00
481	F 22 G	7/08	41.44-41.47	F 01 P	5/10	90.24-90.26	F 01 L	1/30	185	F 02 N	1/00	336	F 02 D	
482	F 22 G	7/02	41.48, 41.49	F 01 P	7/10	90.27	F 01 L	1/02	186	F 02 P	9/00	337	F 02 D	9/08
483, 484	F 22 G	1/00	41.5	F 01 P	11/20			1/04	187.5	F 02 M	1/16	338	F 02 D	
485	F 22 G	1/16	41.51	F 01 P	3/20	90.28-90.3	F 01 L	1/32	188, 189	F 01 L	3/00	339	F 02 M	3/00
486	F 22 G	3/00	41.52, 41.53	F 01 P	3/04	90.31	F 01 L	1/02	190	F 01 L	7/00	340-342	F 02 D	
487	F 22 G	5/12	41.54	F 01 P	3/22			1/04	192	F 02 B	75/06	343	F 02 M	35/00
488, 489	F 16 T	1/00	41.55	F 01 P	11/00	90.32	F 01 L	1/06	193	F 02 F		344	F 02 M	7/00
	F 22 B	37/26	41.56	F 01 P	1/00	90.33	F 01 M	1/06	195	F 02 F	7/00	345-348	F 02 D	13/00
490	F 22 B	37/42	41.57	F 01 P	9/04			9/10	196	F 01 M	1/00	349	F 02 D	
491, 492	F 16 T	1/00	41.58, 41.59	F 01 P	7/00		F 16 K	41/00	197	F 02 B	75/32	350	F 02 D	41/00
	F 22 B	37/26	41.6-41.62	F 02 F	1/34	90.34-90.36	F 01 M	1/06	198	F 02 B	77/00			43/00
493	F 22 B	37/24	41.63-41.66	F 01 P	7/04			9/10	200, 201	F 02 B	53/00			45/00
494	F 22 B	37/36			7/06	90.37	F 01 M	9/10	202	F 02 B	53/06	351-359	F 02 D	31/00
495	F 22 B	37/42	41.67, 41.68	F 01 P	1/02		F 16 K	41/00	203	F 02 B	53/04	360-362	F 02 D	41/00
496	F 22 B	37/24	41.69	F 02 F	1/06	90.38	F 01 M	9/10	204	F 02 B	53/00			43/00
497	F 23 M	5/08			1/30	90.39, 90.4	F 01 L	1/18	205-209	F 02 B	53/10			45/00
498	F 23 M	7/04	41.7	F 01 P	1/02			1/20	210, 211	F 02 B	53/12	363-374	F 02 D	31/00
499	F 22 D	1/00	41.71	F 02 F	1/02			1/22	212, 213	F 02 B	53/08	375	F 02 D	1/06
	F 23 M	5/08	41.72	F 02 F	1/10			1/24	214-240	F 02 B	53/04	376, 377	F 02 D	31/00
500	F 22 B	13/00	41.73	F 01 P	3/02			1/26	241-249	F 02 B	53/00	378-393	F 02 D	7/00
501, 502	F 22 B	37/10	41.74	F 02 B	75/18	90.41, 90.42	F 01 L	1/18	250	F 02 B	19/00	394-401	F 02 D	
503	F 23 M	9/10	41.75	F 01 P	3/02	90.43	F 01 L	1/18	251	F 02 B	19/08	402	F 02 D	9/00
504	F 22 B	37/42	41.76-41.78	F 01 P	3/14			1/20	252, 253	F 02 B	19/00	403	F 02 D	9/08
504.1	F 22 B	37/46	41.79, 41.8	F 02 F	1/14			1/22	254	F 02 F	1/00	404, 405	F 02 D	13/00
504.2-506	F 22 B	37/42	41.81	F 02 F	1/10			1/24	255, 256	F 02 B	19/00	406-411	F 02 P	5/00
507	F 22 B	37/44	41.82	F 02 F	1/36	90.44	F 01 L	1/18	257	F 02 B	75/02	412	F 02 P	5/14
508, 509	F 22 B	37/22	41.83, 41.84	F 02 F	1/10	90.45	F 01 L	1/18	258, 259	F 02 B	19/10	413-417	F 02 P	5/00
510	F 22 B	37/24	41.85	F 01 P	1/06			1/20	260	F 02 B	19/00	418, 419	F 02 P	5/06
511	F 22 B	37/06			3/12			1/22		F 02 P	15/00	420	F 02 P	5/00
		37/10	41.86	F 01 M	13/00	90.46	F 01 L	1/18	261	F 02 B	19/00	421-425	F 02 P	5/14
512	F 22 B	17/02	42	F 02 B	59/00			1/24		F 02 M		426-428	F 02 P	5/00
		37/10	43, 44	F 02 B	57/00	90.47	F 01 L	1/18	262	F 02 B	19/08	429	F 02 B	
			45	F 02 B	53/00	90.48	F 01 L	1/14			31/00		F 02 M	
			46	F 02 B	71/00			1/16	263	F 02 B	31/00	430	F 02 B	17/00
U.S. Class 123					39/10			1/20	264	F 02 B	19/00	431	F 02 B	7/00
INTERNAL-COMBUSTION ENGINES			47	F 01 L	11/00			1/22	265	F 02 B	19/16		F 02 M	71/00
			48	F 02 B	75/04			1/24	266	F 02 B	19/00	432, 433	F 02 B	15/00
1	F 02 B	75/12	50	F 02 B	59/00	90.49	F 01 L	1/16	267	F 02 M		434	F 02 M	
2	F 02 B	63/00	51	F 02 B	25/08	90.5, 90.51	F 01 L	1/14	268	F 02 B	19/00	435, 436	F 02 M	7/00
3	F 02 B	43/08			25/10	90.52	F 01 L	1/14	269	F 02 F	3/24	437-447	F 02 M	
18	F 02 B	53/00			75/28			1/20	270	F 02 B	19/00	448-451	F 02 M	41/00
		55/00	52	F 02 B	75/18			1/22			75/08	452-467	F 02 M	
19	F 02 B	75/00	53	F 02 B	25/12	90.53, 90.54	F 01 L	1/14	271	F 02 B	77/02	468, 469	F 02 M	55/02
21	F 02 B	69/06	54	F 02 B	75/26			1/22	272	F 02 B	51/02	470, 471	F 02 M	
22	F 02 B	41/00	55	F 02 B	75/22	90.55-90.59	F 01 L	1/14	273	F 02 B	19/00	472-480	F 02 M	51/00
23	F 02 B	45/00	56	F 02 B	75/24			1/24	274, 275	F 02 M		481	F 02 D	7/00
	F 02 D	19/04	57	F 02 B	75/28	90.6	F 01 L	1/04	276	F 02 F	3/26	482-494	F 02 M	51/00
24	F 02 B	45/06	58	F 02 B	75/26			1/08		F 02 M		495	F 02 M	37/04
25	F 02 B	47/00	59, 60	F 02 B	75/20	90.61	F 01 L	1/14	277, 278	F 02 B	19/00	496-499	F 02 M	59/00
26	F 02 B	41/00	61	F 02 B	75/16			1/20		F 02 M	71/00	500-504	F 02 M	37/04
27	F 02 B	3/00	62	F 02 B	33/06			1/22	279	F 02 F	3/26		F 02 M	59/20
37-39	F 02 B	75/00	63	F 02 B	75/16			1/24	280	F 02 B	19/00	505-509	F 02 M	37/04

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 123—Con.			U.S. Class 124											
510-517	F 02 M	33/02	MECHANICAL GUNS AND PROJECTORS			4	F 24 C	15/08	92	F 24 C	3/04	265-267	F 23 C	1/00
518-521	F 02 M	17/22					F 24 C	1/14	93-95	F 24 C	5/00	268	A 47 G	23/04
522	F 02 M	17/26						13/00	96,97	F 24 C	5/04	269	F 28 F	13/00
523,524	F 02 M	21/02						7/00	98	F 24 C	15/00	271 1	F 23 L	9/00
525,526	F 02 M	43/00						1/14	99	F 24 H	3/00	271 2	F 23 C	5/00
527	F 02 B	21/04						7/00	100	F 24 B	7/00	271 3	F 23 B	3/00
	F 02 M	21/04						9/00	101	F 24 D	9/00	273	A 21 B	1/00
528,529	F 02 B	43/00						13/04	102-104	F 24 H	3/06	273 5	A 21 B	1/04
530	F 02 M	5/00						15/08	105	F 24 H	9/12		F 24 C	15/34
531-535	F 02 M	23/00						1/16	106	F 24 H	3/12	274	A 21 B	1/00
536	F 02 B	51/00						1/08	107	F 24 H	9/18	275	A 21 B	1/52
	F 02 M	27/00						13/04	108	F 24 H	3/00		F 24 C	1/16
537-539	F 02 M	27/00						5/00	109	F 24 H	3/08			3/14
540-542	F 02 M	15/00						15/08	110	F 24 H	3/02			5/20
		31/20						5/00	111,112	F 24 H	3/00	276	F 24 C	1/16
		53/00						3/00	113	F 24 F	3/14			3/14
543-548	F 02 G	5/00						15/18	114	F 24 H	3/00	277-279	F 24 C	15/08
	F 02 M	15/00						15/30			9/02	280	F 24 C	15/14
		23/14						1/00	115,116	F 24 H	3/00	281,282	A 21 C	13/00
		31/02						1/00	117	F 24 H	3/12	283	F 24 B	1/08
		53/00						1/08	118	F 24 H	3/00			1/16
549	F 02 G	5/00						1/00	119	F 24 H	9/14			13/04
	F 02 M	15/00						15/32	134	F 24 F	3/14	284	F 24 H	1/00
		23/14						1/00	144-151	F 23 M	5/00	285	F 23 L	3/00
		31/02						15/30		F 24 B	13/02			11/00
		31/12						37/00	152	F 23 H	13/00			13/00
550-554	F 02 G	5/00						3/00	153	F 23 H	17/08	285 5	F 23 H	3/00
	F 02 M	13/02						3/00	154	F 23 H	13/00	286,287	F 23 L	3/00
		15/00						13/00	155	F 23 H	9/04			11/00
		23/14						15/00			11/24			13/00
		53/00						9/00	156,157	F 23 H	9/00	287 5	F 23 H	3/04
555,556	F 02 G	5/00						13/00			11/24	289-297	F 23 L	3/00
	F 02 M	15/00						1/02	158	F 23 H	9/04			11/00
		23/14						3/00			11/26			13/00
		31/02						15/10	159	F 23 H	9/04	298	F 24 B	13/00
		31/04						5/20			11/24	299-303	F 24 C	15/20
		53/00						3/00	161	F 23 H	1/02	304-306	F 24 C	15/08
557,558	F 02 G	5/00						3/08	162	F 23 H	13/00	307,312	F 23 J	11/00
	F 02 M	15/00						37/00	163	F 23 H	13/06	313	F 23 J	11/00
		23/14						3/00	164	F 23 H	1/02		F 24 F	5/00
		53/00						3/12	165	F 23 K	3/22	314,315	F 23 J	13/00
559 1-566	F 02 B	33/00						5/00	166	F 23 H	17/12	316	F 23 J	13/06
	F 02 D	23/00						5/04	167,168	F 23 H	11/20	317	F 23 J	13/00
	F 02 M	25/10						5/00	169	F 23 H	7/18	318	F 23 J	13/04
567	F 02 B	47/08						170-172			9/12	319	F 23 J	13/08
568-571	F 02 B	25/06						15/08	173	F 23 H	15/00	332-340	F 24 C	15/16
572-574	F 02 B	13/00						5/00	174,175	F 23 H	7/08	343,344	E 01 C	19/45
575	F 02 B	25/00						15/14			7/14		F 24 H	1/00
		43/00						3/12	176-180	F 23 H	7/10	345-349	F 24 H	1/18
		1/00						5/16			7/16	350,351	F 24 H	1/00
576	F 02 B	7/00						13/00	181	F 23 H	9/02	355	F 24 H	1/10
577	F 02 B	13/00						15/08	182	F 23 H	9/00	357	F 24 B	9/00
578	F 02 B	23/00						1/00	190-200	F 23 M	7/00		F 24 C	13/00
579-584	F 02 B	23/00						3/12		F 24 C	15/04	358	F 24 H	9/00
585,586	F 02 B	23/00						5/16	201	F 24 C	15/36	359	F 24 H	1/10
587-589	F 02 M	23/00						1/00	204-210	A 61 F	7/08	360	F 24 H	1/20
590	F 02 M	29/00						1/16			7/08	361-363	F 24 H	1/00
591	F 02 M	33/02						13/06	211,212	F 24 C	15/10	364,365	F 24 H	1/00
592	F 02 M	29/02						1/14	213	F 24 C	15/10			9/12
593	F 02 M	29/04						15/08			15/22	366	F 24 H	1/36
594,595	F 02 P	3/06						3/00	214-218	F 24 C	15/10	367,368	F 24 B	9/00
596-598	F 02 P	1/00						3/00	219	F 24 C	15/06	369-369 3	F 24 D	1/00
599	F 02 P	3/06						1/14	220,221	F 24 C	15/10	373	A 47 J	27/00
		3/06						7/00	222-225	F 23 G	5/00		F 24 H	1/00
600-605	F 02 P	3/06						13/04	226	F 24 C	1/00	374	A 47 J	27/00
606-608	F 02 P	9/00						7/00	227-229	F 24 C	3/00	375	F 24 H	7/00
609-611	F 02 P	3/02						1/14			5/00	376	A 47 J	27/10
612-619	F 02 P	3/02						13/04	230	F 24 C	1/00		F 24 H	1/00
620	F 02 P	11/00						1/08	231-235	F 24 C	3/00	377-379	A 47 J	27/06
621-629	F 02 P	15/08						5/00	236	F 24 C	1/00			27/16
630-632	F 02 P	7/04						1/14	237,238	F 24 C	3/00	380-382	A 47 J	27/00
633-635	F 02 P	5/02						13/00	239-241	F 24 C	5/00	383-386	A 47 J	27/58
636-639	F 02 P	5/02						5/00	242,243	F 23 J	1/00	387-392	A 47 J	27/00
640,641	F 02 P	3/12						1/08	244	F 23 J	1/06	400	F 24 H	7/00
642	F 02 P	3/12						1/14	245	F 23 J	1/00	401	F 24 J	2/42
643-656	F 02 P	23/00						15/06	246	A 47 G	23/04	402-404	A 01 K	11/00
657,658	F 02 B	23/00						15/08			15/18	405-407	B 44 B	7/02
659	F 02 B	27/00						15/28	247	F 24 C	9/00	408,409	A 45 D	1/04
660	F 02 B	23/00						15/20	248	F 24 C	1/00	410	D 06 F	67/00
661-667	F 02 B	75/08						3/00	249-254	F 24 C	3/00	411,412	D 06 F	75/00
668,669	F 02 B	77/02						3/02	255-260	F 24 C	5/04	413,414	B 23 K	3/02
								3/04	261,262	A 47 G	23/04	415,416	F 24 J	2/42
670	F 02 B	51/02						3/02	263	F 24 J	1/00	417	F 24 J	2/60
671	F 02 B	23/00						3/00			3/00	418	F 24 J	2/46

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 126—Con.			29	C 08 B	30/00	75	A 61 H	1/02	202 26	A 61 M	15/00	206 18,206 19	A 62 B	7/10
419-423	F 24 J	2/40	30	C 13 F	3/00	76	A 61 F	5/08			16/00			18/02
424,425	F 24 J	2/38		C 13 F	3/00	76.5	A 61 H	5/00		A 62 B	7/08			23/02
426	F 24 J	2/36	31	C 13 K	5/00	77	A 61 F	5/10			21/00	206 21	A 62 B	18/02
427	F 24 J	2/42	32,33	C 08 B	30/12	78	A 61 F	5/02	202 27	A 62 B	9/04	206 22-206 27	A 62 B	18/08
428-431	E 04 D	13/18	34	C 08 B	30/00	79	A 61 F	5/00	202 28-203 11	A 61 M	16/00	206 28	A 62 B	18/02
432	F 24 J	2/04	36	C 13 K	3/00	80	A 61 F	5/00	203 12	A 61 M	15/00	206 29,207 11	A 62 B	18/08
433	F 24 J	2/32	37	C 13 K	1/02						16/10	207 12	A 62 B	18/10
434	F 24 J	2/44	38-40	C 13 K	1/06	81	A 61 F	5/00	203 13	A 61 M	16/00	207 13	A 62 B	18/02
435	F 24 J	2/30	41	C 13 K	1/08	82	A 61 F	13/00	203 14	A 61 M	15/00	207 14	A 61 M	16/00
436	F 24 J	2/34	42	C 13 D		82.1	A 61 N				16/00	207 15	A 62 B	9/06
437	F 24 J	2/04		C 13 F		83-93	A 61 F	5/04	203 15	A 61 M	15/00	207 16	A 61 M	16/00
438	F 24 J	2/10		C 13 J		94	A 61 F	5/40		B 05 D	7/14		A 62 B	9/02
439	F 24 J	2/18	43	C 13 D	1/00	95 1-98 1	A 61 F	5/24		B 65 D	83/06			9/06
440	F 24 J	2/08	44	C 13 D	1/14	99 1,100 1	A 61 F	5/28	203 16	A 61 M	15/00	207 17	A 61 M	16/00
441	F 24 J	2/04	45	C 13 D	1/00	101 1	A 61 F	5/26			16/10		A 62 B	9/06
442-445	F 24 J	2/24	46.1-46.3	C 13 J	1/06	102 1-111 1	A 61 F	5/28	203 17	A 61 M	15/00	207 18	A 61 M	15/08
449	F 24 J	2/26	47	C 13 D	3/00	112 1-115 1	A 61 F	5/30			16/00		A 62 B	7/00
450	F 24 J	2/46		C 13 J	1/04	116 1	A 61 F	5/32		H 05 B	3/00	207 29	A 61 M	16/00
451	F 24 J	2/02	48	C 13 D	3/00	117.1	A 61 F	5/30	203 18	A 61 M	15/08	303	A 61 B	17/00
452	F 24 J	2/00		C 15 J	1/02	118.1	A 61 F	5/34	203 19,203 21	A 61 M	15/00	303 1-303 19	A 61 B	17/36
500	F 24 B	1/18	49	B 01 D	15/00			13/00			16/00	304	A 61 B	17/22
501	F 24 B	1/199		C 13 D	3/14	119.1,120.1	A 61 F	5/30	203 22-203 24	A 61 M	15/08	305-305 5	A 61 B	17/32
502-504	F 24 B	1/187		C 13 J	1/06	121.1-126.1	A 61 F	5/24	203 25	A 61 M	16/00	306	A 61 B	1/06
505	F 23 H	17/08	50-52	C 13 D	3/00	155	A 61 F	13/00		F 16 K	11/00	307	A 61 B	17/46
	F 24 B	1/182		C 13 J	1/02			15/00		G 05 D	11/02		A 61 D	1/10
		1/193	53	B 01 D	15/00			15/00	203 26	A 61 M	16/00	309	A 61 B	17/26
506	F 24 B	1/182		C 13 D	3/12	156	A 61 L	15/00		F 23 D	11/00	310	A 61 B	17/16
507	B 01 D				3/16	157	A 61 F	13/00			14/00	311	A 61 B	17/32
	F 24 B	1/191		C 13 J	1/08			15/00	203 27	A 61 M	16/00	312	A 61 B	17/16
508	F 24 B	1/183	54	B 01 D	61/24	158-162	A 61 F	5/40		H 05 B	3/00	313-315	A 61 B	17/32
	F 24 F	6/00		C 13 D	3/16	163,164	A 61 F	13/12	203 28	A 61 M	16/00	316	A 61 D	1/00
509-511	F 24 B	1/18		C 13 J	1/08	165	A 61 F	13/00	203 29	A 61 M	16/00	317	A 61 B	17/14
	F 24 D		55	C 13 D	3/12	166,166 5	A 61 F	13/06		A 62 B	18/02	318	A 61 B	17/32
512	F 23 C		56	C 13 F	1/06	168-171	A 61 F	13/00	204 11	A 61 M	15/00	319,320	A 61 B	17/00
	F 24 C	3/00	57	C 13 D	3/16	200.11-200.13	A 61 M	15/00	204 12	A 61 M	15/08	321,322	A 61 B	17/28
		5/00	58-60	C 13 F	1/02			16/00	204 13,204 14	A 61 M	15/00	323	A 61 B	17/44
513 514	F 24 B	1/183	61,62	C 13 F	1/00	200 14,200 15	A 61 M	11/00			16/00	324	A 61 D	1/08
515-518	F 23 L		63	C 13 F	1/04	200.16	A 61 M	11/00	204 15,204 16	A 61 M	16/00	325-327	A 61 B	17/12
	F 24 B	1/189	64	C 13 F	1/08		B 05 B	17/06		A 62 B	7/00	328	A 61 B	17/00
519	F 24 B	1/181	65-71	C 08 B	30/00	200.17	A 61 M	11/00		F 24 F	5/00	329	A 61 B	17/34
520	F 24 B	1/18					B 05 B	3/02	204 17	A 61 M	16/00	330	A 61 B	17/00
521,522	F 24 B	1/189				200 18	A 61 M	11/00		A 62 B	7/00	333	A 61 B	
523-535	F 24 B	1/188					B 05 B	1/26		F 24 J	3/00	334	A 61 B	17/04
		1/189				200 19	A 61 M	11/00	204 18	A 61 M	16/00	335	A 61 B	17/08
536-539	F 24 B	1/189					B 05 B	7/00		A 62 B	7/00	335 5	A 61 L	17/00
540-543	F 23 H					200.21-200.23	A 61 M	11/00	204 19	A 61 M	16/00	336	A 61 D	1/00
	F 24 B	1/193				200 24	A 61 M	15/00		A 62 B	7/00	337	A 61 B	17/08
544-549	F 24 B	1/192	1.6	H 04 R	25/00			16/00		F 16 K	1/08	339,340	A 61 B	17/06
550	F 24 B	1/195	3-5	A 61 B	1/00			7/00	204 21-204 23	A 61 M	16/00	341-343	A 61 M	29/00
551	F 24 B	1/193	6	A 61 B	1/06		A 62 B	9/00		A 62 B	7/00	344	A 61 M	29/02
552,553	F 24 B	1/195	7	A 61 B	1/30	200 25	A 62 B	7/00	204 24	A 61 M	16/00	345	A 61 M	29/00
554,555	F 23 J	1/00				200 26	A 61 M	16/00		A 62 B	7/00	348 1	A 61 B	17/34
	F 24 B	1/18	8	A 61 B	1/06	200 27	A 62 B	18/00		F 15 C	1/08	352,353	A 61 B	17/42
			9	A 61 B	1/22	200 28	A 62 B	29/00	204 25	A 61 M	16/00	354	A 61 B	17/30
			10	A 61 B	1/26			37/00		A 62 B	7/00	355	A 61 B	17/00
			11	A 61 B	1/06			13/00			9/00	356	A 61 B	17/24
			12	A 61 B	1/00	200 29	B 63 C	11/02	204 26-204 29	A 61 M	16/00	357	A 61 B	17/00
			13	A 61 B	1/06	201.11	B 63 C	11/16		A 62 B	7/04	359,360	A 61 J	17/00
			14	A 61 D	1/00	201 12-201.17	A 62 B	18/08		F 16 K	31/26	361	A 61 B	17/42
			15	A 61 B	1/24	201.18	A 62 B	18/02	205 11	A 62 B	7/00		A 61 D	1/08
			16	A 61 B	1/06	201.19	A 62 B	18/08				362	A 61 N	
			17	A 61 B	1/32	201.21	A 62 B	7/06		G 05 B	1/00	363,364	A 63 B	21/00
			18	A 61 B	1/06	201 22-201.24	A 62 B	17/04	205 12	A 62 B	7/10	365-370	A 61 H	33/00
			19	A 61 D	1/00			18/00			19/00	371-375	A 61 H	33/06
			20	A 61 B	17/02	201 25	A 62 B	7/10			23/02	376,377	A 61 N	
			21	A 61 B	1/00			19/00	205 13-205 19	A 62 B		378	A 61 N	
			22	A 61 B	1/06			23/02	205 21-205 23	A 62 B	7/00		H 05 C	3/00
			23	A 61 H	1/00	201.26	A 62 B	18/08			9/00	379-398	A 61 M	
			24	A 61 H	21/00	201 27	B 63 C	11/02	205 24	A 62 B	9/02	399,400	A 61 F	7/00
			25	A 61 H	1/02	201 28	A 62 B	18/10	205 25	A 62 B	18/02	401	A 61 F	7/12
			26	A 61 H	31/00	201 29,202.11	A 62 B	17/00	205 26	A 61 G	10/00	402,403	A 61 F	7/00
			27	A 61 H	31/02	202 12	A 61 G	10/00		A 62 B	31/00	419,420	A 61 N	1/00
			28	A 61 H	1/02	202 13-202.19	A 61 M	15/00	205 27-205 29	A 62 B	7/10		H 05 G	
			29	A 61 H	1/00		A 62 B	7/00			23/02	420 5,420 6	A 61 N	1/00
			30	A 61 H	7/00	202 21	A 61 M	15/06	206 11	A 61 G	10/00		H 04 R	25/00
			31	A 61 H	23/00	202 22	A 61 M	16/00		A 61 M	16/00		H 05 G	
			32	A 61 H	7/00		A 62 B	9/00		A 62 B	7/10	421-424	A 61 N	1/00
			33	A 61 H	15/00			27/00			23/02		H 05 G	
			34	A 61 H	11/00		G 08 B	3/00	206 12-206 16	A 62 B	7/10	581,582	A 61 F	5/14
			35	A 61 H	7/00			5/00			18/08	583	A 43 B	7/24
			36	A 61 H	9/00	202 23,202 24	A 61 M	9/00			23/02	584,585	A 61 F	5/14
			37	A 61 H	7/00			16/00	206 17	A 62 B	18/08	586	A 43 B	7/14
			38	A 61 F	5/00	202 25	A 61 M	15/02			19/00	587-593	A 61 F	5/14

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 128—Con.			846	A 61 F	5/37			1/08	96	A 24 C	1/04			3/00
594	A 43 B	7/14	847	A 61 F	13/00			1/30	105	A 24 C	1/28		A 24 F	13/06
	A 61 F	5/14	848	A 61 F	5/56	56,57	A 24 C	1/12	106	A 24 C	1/42	202	A 24 D	1/04
		5/34	849	A 61 B	19/00			1/22	107	A 24 C	1/44		A 24 F	1/20
595-613	A 61 F	5/14		A 61 F	5/37	57.5	A 24 C	5/10	108	A 24 B	7/14			7/04
614	A 43 B	7/16	850-856	A 61 B	19/08			1/12	109.1-109.3	A 24 B	1/02			13/06
615-623	A 61 F	5/14	857	A 61 F	11/00	58	A 24 C	5/10			3/06	203	A 24 F	1/20
630	A 61 B	5/00	858	A 61 F	9/00			1/26			7/14	204	A 24 F	1/20
631	A 61 B	5/07	859-862	A 61 C	5/14			5/08		A 24 C	1/02			5/06
632-634	A 61 B	5/00	863	A 61 B	19/00			5/10			5/39	205	A 24 F	1/02
635	A 61 B	5/05	864-866	A 61 F	11/00	59	A 24 C	1/26	110	A 24 B	7/14			5/06
636-638	A 61 B	5/00	867	A 61 F	11/06	60	A 24 C	5/14		A 24 C	1/02			5/08
639-644	A 61 B	5/04	868	A 61 F	11/00	61.1	A 24 C	5/31			5/39	206	A 24 F	1/02
645-652	A 61 B	3/16	869	A 61 B	19/00			5/47	111	A 24 B	1/10			5/08
653	A 61 B	5/05	870-884	A 61 F	5/37	62	A 24 B	5/52	112	A 24 B	1/10	207	A 24 F	1/20
654	A 61 B	6/00	885,886	A 61 F	5/48		A 24 C	15/00		A 24 C	1/08	209	A 24 F	1/16
655	A 61 B	6/00	887	A 61 B	17/00			5/00	113	A 24 C	1/42			13/04
	A 61 M	5/00	888,889	A 61 F	13/00	63-65	A 24 C	5/47			5/60	210	A 24 F	1/16
656-658	A 61 B	6/00	890	A 61 J	13/00			5/12	114	A 24 C	1/42			5/08
	A 61 M	25/00	891	A 61 F	13/00	66,66 2	A 24 C	5/28			3/00			13/04
659	A 61 B	6/00	892-894	A 61 F	13/06	67	A 24 C	5/18			5/60	211	A 24 F	1/04
660.01-660.1	A 61 B	8/00	897-899	A 61 B	19/00			5/22	115	A 24 C	1/20			1/06
		8/12				68	A 24 C	5/24	116	A 24 C	1/02			1/08
		8/14				69	A 24 C	5/26			5/18			1/10
661.01-661.1	A 61 B	8/02				70	A 24 C	5/24	117,118	A 24 C	1/02	212,212 2	A 24 F	13/04
		8/06	U.S. Class 131					5/02			5/28			1/04
		8/12	TOBACCO					5/22	119	A 24 C	1/18			1/06
662.01-663.01	A 61 B	8/14				71	A 24 C	5/54			1/20			1/08
664,665	A 61 B	6/00	27.1	A 24 C	1/08			5/02	173	A 24 F	1/14			1/10
666,667	A 61 B	5/02			5/08			5/47			1/30			1/16
		6/00			5/10			5/56	174	A 24 F	1/12	213	A 24 F	1/02
668-670	A 61 B	5/02	28	A 24 C	3/00	72	A 24 C	5/58			5/10			1/16
671	A 61 B	5/02			5/00			5/47			9/16			13/04
		5/08			5/60			5/52			13/16	214	A 24 F	5/00
672-675	A 61 B	5/02	29,30	A 24 C	1/32	73,74	A 24 C	5/58	175	A 24 D	1/12	215.1	A 24 F	1/02
676	A 61 B	3/12			5/47	75	A 24 C	5/00		A 24 F	13/02			5/04
		5/02			5/58			1/18	176	A 24 F	5/10			13/04
677-695	A 61 B	5/02		A 24 D	3/02			5/06	177	A 24 F	5/10	215.2	A 24 F	1/02
696-712	A 61 B	5/04	31	A 24 B	3/12	76	A 24 C	5/42			9/02			5/04
713-715	A 61 B	5/02			9/00			1/32	178	A 24 F	3/00			13/06
716-729	A 61 B	5/08			15/00			5/47			13/12	215.3	A 24 F	1/02
730	A 61 B	5/08		A 24 C	5/00	77	A 24 C	5/58	179	A 24 F	1/08			5/04
	B 65 D	81/00	32	A 24 C	1/16			1/18			13/02			13/04
731-733	A 61 B	5/04			1/40			1/20	180,181	A 24 F	1/26	216	A 24 F	1/16
734	A 61 B	5/05			1/00	78	A 24 C	5/06			15/00			1/18
735	A 61 H	39/02	33	A 24 C	1/04			3/00			23/04			13/04
736	A 61 B	5/00			1/00			5/00	182,183	A 24 F	3/02	217	A 24 F	1/16
737	A 61 B	5/06	34	A 24 C	1/04	79	A 24 C	5/06			13/10			13/04
738	A 61 B	10/00			3/00			1/18	184.1	A 24 F	3/02	218	A 24 F	1/02
739	A 61 B	5/00			5/46			1/20			9/02			1/16
740	A 61 B	19/00	35	A 24 C	1/34	80	A 24 C	5/06			9/04			13/04
741	A 61 B	5/05			3/00			1/18	184.2	A 24 F	3/02	219	A 24 F	1/18
742,743	A 61 B	5/00			5/24			1/20			9/02			1/20
744	A 61 B	19/00	36	A 24 C	1/26	81.1	A 24 B	3/00	184.3	A 24 F	3/02	220	A 24 F	13/04
745	A 61 B	13/00			1/28		A 24 C	9/10			9/02			1/18
746	A 61 B	5/00			1/30			1/02			9/04			5/00
747	A 61 B	5/00	37	A 24 C	1/34	82	A 24 C	1/24	185	A 24 F	3/00			5/06
	A 61 M	31/00			5/24			1/18			47/00	221,222	A 24 F	5/00
748	A 61 B	5/00	38,39	A 24 C	1/02			1/20	186	A 24 F	3/00	223	A 24 F	1/02
749-759	A 61 B	10/00			3/00	83.1	A 24 C	1/18			9/14			5/04
760-766	A 61 B	5/00	40	A 24 C	1/02	84.1-84.3	A 24 C	5/18			13/22			13/04
	B 65 D	81/00			1/10	84.4	A 24 C	5/18	187	A 24 F	13/02	224	A 24 F	5/00
767	A 61 B	5/00			1/16			5/28	188,189	A 24 F	13/08			5/06
	B 65 D	33/00			3/00	85	A 24 C	1/18		A 24 F	13/02			5/08
		81/00	41	A 24 C	1/02			1/20			13/08	225	A 24 F	5/00
768	A 61 B	5/00			1/22			5/06	191	A 24 F	1/28			7/02
769	A 61 B	5/00			3/00	86	A 24 C	1/18	192	A 24 F	7/02			13/02
	A 61 F	2/02	42	A 24 C	1/02			5/06			13/02	226	A 24 F	5/00
	B 65 D	81/00			3/00	87	A 24 C	1/20	193	A 24 F	1/24	227	A 24 F	7/00
770	A 61 B	5/00	43	A 24 C	1/02			5/06	194	A 24 F	1/22	228	A 24 F	7/00
771	A 61 B	5/00			1/18	88	A 24 C	1/32			1/32			7/02
	B 65 D	81/00			3/00			5/47			13/04			9/16
772	A 61 B	5/00	44	A 24 C	1/02	89	A 24 C	1/32	195	A 24 F	1/22	229	A 24 F	7/00
	A 61 M	25/00			1/08			5/54			5/04	230	A 24 F	1/32
773	A 61 B	7/00			3/00	90	A 24 C	1/32			13/04			13/02
774-782	A 61 B	5/103	45	A 24 C	1/18			1/34	196	A 24 F	1/22	231	A 24 D	1/12
		5/117			3/00	91	A 24 C	1/32			13/04			13/16
783-804	A 61 N	1/00	46	A 24 C	1/24			1/36	197	A 24 F	1/16			19/00
830-838	A 61 F	6/06			1/36			5/12	198,1,198.2	A 24 F	5/04	232	A 24 F	19/10
839	A 61 F	6/14			3/00	92	A 24 C	1/32	199	A 24 F	1/00	233	A 24 F	13/24
840	A 61 F	6/06			5/12			5/26			13/00			15/10
841	A 61 F	6/14	47-54	A 24 C	1/10			5/54	200	A 24 D	1/04			19/10
842,843	A 61 F	6/02			5/08	93	A 24 C	1/32			3/00			27/00
844	A 61 F	6/04			5/44	94,95	A 24 C	5/47		A 24 F	1/00	234	A 24 F	19/10
845	A 61 G	15/00	55	A 24 C	1/00			5/58	201	A 24 D	1/04	235.1	A 24 F	13/18

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 131—Con.														
		19/14			3/12	362,363	A 24 D	1/04	216	A 45 D	40/30	280	A 45 D	8/06
		5/00			5/00			3/00	217	A 45 D	2/48	281,282	A 45 D	8/02
		9/00			9/00		A 24 F	7/00	218	A 45 D	40/26	283	A 45 D	8/06
236,237	A 24 F	13/18	305-307	A 24 B	3/02	364	A 24 D	1/00	219	A 45 D	24/00	284	A 45 D	8/08
237.5	A 24 F	13/18			3/06	365	A 24 D	1/02	220	A 45 D	2/36	285	A 45 D	29/00
		19/14			9/00		D 21 H	11/00			4/14	286	A 45 D	40/00
		19/14			3/12			13/00	221	A 45 D	2/00			40/18
238	A 24 F	19/10	308	A 24 B	15/20			15/00			37/00	287	A 45 D	33/20
239	A 24 F	13/12			15/00			17/00	222	A 45 D	2/00	288	A 45 D	33/32
240 1-242.6	A 24 F	15/08	309	A 24 B	15/28			19/00	223	A 45 D	2/00			42/10
		15/18			15/30			21/00			2/38	289	A 45 D	27/22
		19/00	310	A 24 B	15/42			23/00			2/46	290	A 45 D	27/16
		19/10			5/10			25/00	224	A 45 D	1/00			27/18
243	A 24 F	3/02	311,312	A 24 B	5/00			27/00			2/40	291	A 45 D	27/22
		9/04	313	A 24 B	5/00	366	A 24 B	13/00	225	A 45 D	2/42	292	A 45 D	42/08
244	A 24 F	3/02	314	A 24 B	5/08	367	A 24 D	1/00			2/12	293	A 45 D	27/00
		9/12			5/16	368	A 24 B	13/00	226	A 45 D	2/12	294	A 45 D	33/00
245	A 24 F	3/02	315	A 24 B	3/18			1/16	227	A 45 D	1/02			33/24
		9/06	316,317	A 24 B	5/12	369-375	A 24 B	3/14			2/22			33/26
246	A 24 F	3/02			5/00			15/12	228	A 45 D	6/06	295,296	A 45 D	33/22
		9/10	318	A 24 B	5/08				229,230	A 45 D	1/04	297	A 45 D	33/28
247	A 24 F	9/02			5/06						2/36	298,299	A 45 D	33/02
248	A 24 F	13/20	319	A 24 B	5/00						4/00	300	A 45 D	33/24
		13/24	320,321	A 24 B	5/06	U.S. Class 132			231	A 45 D	4/18	301,302	A 45 D	42/02
249	A 24 F	13/24			5/08	TOILET			232	A 45 D	1/04	303	A 45 D	33/00
250	A 24 F	15/06	322	A 24 B	5/04				233	A 45 D	1/20	304,305	A 45 D	42/02
		15/08	323	A 24 B	5/08	53	A 41 G	3/00			4/16	306,307	A 45 D	33/02
		15/16			5/08			5/00	234	A 45 D	4/16	308-310	A 45 D	44/18
250 1	A 24 F	13/24	324,325	A 24 B	5/08	54,55	A 41 G	5/00	235	A 45 D	2/36	311	A 46 B	11/00
251	A 24 F	13/24			5/16	56	A 41 G	3/00	236	A 45 D	6/08			15/00
		15/10	326	A 24 B	5/08			5/00			6/18	312	A 45 D	40/00
		15/14			5/14	57.1-62	A 42 B	7/00	237,238	A 45 D	6/02	313	A 45 D	44/18
252-255	A 24 F	13/24	327	A 24 B	1/04	63.1-66.1	A 44 B	9/00			6/04	314	A 46 B	15/00
256	A 24 F	13/18			1/06	68.1-72.1	A 44 B	9/06	239,240	A 45 D	2/32	315	A 45 D	40/24
		19/14			1/10	73	A 45 D	29/00	241	A 45 D	2/34		A 45 D	27/22
		9/14			3/06	73.5	A 45 D	29/18	242	A 45 D	2/12	316	A 45 D	43/14
257	A 24 F	13/22			3/08		B 26 B	13/22	243	A 45 D	6/18	317,318	A 45 D	42/00
		19/00			3/16	73.6	A 45 D	29/05	244	A 45 D	6/08	319	A 45 D	40/24
258,259	A 24 F	13/22	328	A 24 F	11/00	74.5	A 45 D	29/18			6/10	320	A 45 D	40/30
260	A 24 F	9/14			47/00	75	A 45 D	29/20	245	A 45 D	2/00	321-329	A 61 C	40/26
		13/22	329	A 24 F	13/00	75.3,75.4	A 45 D	29/18			2/14	330-332	A 45 D	15/00
		19/00			17/00	75.5	A 45 D	29/18	246	A 45 D	2/18	333	A 45 D	8/18
		47/00			25/00		B 26 B	17/00	247	A 45 D	2/20			44/00
270-273	A 24 F	15/00	330	A 24 F	1/10	75.6	A 45 D	29/04	248	A 45 D	2/14			15/00
274	A 24 B	15/30	331	A 24 B	15/00	75.8	A 45 D	29/05	249	A 45 D	2/16			40/00
275,276	A 24 B	15/36			15/10			29/14			2/28			44/18
277	A 24 B	15/38			15/18	76.2	A 45 D	29/20	250	A 45 D	2/08			15/00
278	A 24 B	15/30			15/30	76.4,76.5	A 45 D	29/18	251	A 45 D	6/14			40/24
279	A 24 B	5/32			15/42	101	A 42 B	7/00			6/16			27/22
280	A 24 C	5/34			3/06	102-104	A 45 D	24/00	252	A 45 D	6/16			43/14
		1/38	332	A 24 D	15/28	105	A 41 G	5/00	253	A 45 D	2/16	1	B 08 B	42/00
281	A 24 C	5/60			3/06	106	A 45 D	8/38			2/18			7/00
		1/14	333	A 24 B	15/18	107	A 45 D	24/30	254	A 45 D	2/24			7/02
282	A 24 C	1/44			3/06	108-111	A 45 D	24/16			2/26			23/00
		5/33	334	A 24 B	15/18	112-116	A 45 D	24/22			2/30	2	C 03 C	1/00
283	A 24 C	5/35			3/04	117,118	A 45 D	24/10	255	A 45 D	2/12			1/02
284	A 24 C	1/42			3/08	119	A 45 D	24/42			6/14	3	C 23 G	7/00
		5/38			3/12	119.1	A 45 D	24/00			2/24	4	B 08 B	7/00
		5/60			3/14	120,121	A 45 D	24/16	256	A 45 D	2/24	5	B 08 B	7/00
285	A 24 C	1/14	335,336	A 24 D	3/04	122,123	A 45 D	24/10			2/26			1/00
		1/26	337	A 24 D	3/06	124	A 45 D	24/00	257,258	A 45 D	2/28	6,7	B 08 B	7/00
285-289	A 24 C	1/00	338-340	A 24 D	3/04	125	A 45 D	24/30	259,260	A 45 D	2/24	8	B 08 B	9/04
		5/00	341-344	A 24 D	3/04	126-128	A 45 D	24/04			2/26	9	B 08 B	7/00
290	A 24 B	3/10			3/06	129	A 45 D	24/06	261	A 45 D	2/26	10	B 08 B	7/04
		15/00	345	A 24 D	3/06	130	A 45 D	24/12	262	A 45 D	2/14		C 23 G	1/36
291-296	A 24 B	3/18	346	A 24 D	3/04	131-135	A 45 D	24/06	263	A 45 D	2/24	11	B 08 B	5/00
297	A 24 B	15/24			3/06	136-142	A 45 D	24/04			2/26			7/04
298	A 24 B	15/26	347	A 24 F	47/00	143	A 45 D	24/08	264	A 45 D	2/26	12,13	B 08 B	7/04
299	A 24 B	15/22	348	A 24 D	1/14	144-146	A 45 D	24/38	265	A 45 D	2/00	14	B 08 B	1/00
300,301	A 24 B	1/02	349	A 24 D	1/10	147-200	A 45 D	24/00	266	A 45 D	6/02	15	B 08 B	1/02
		3/02			1/12	201	A 41 G	3/00			6/04	16,17	B 08 B	7/02
		3/04			1/16			5/00	267	A 45 D	2/06	18	B 08 B	7/04
		3/12	350	A 24 D	3/18	202	A 61 K	7/06	268	A 45 D	2/14	19,20	B 08 B	7/00
		9/00			1/00			7/08	269	A 45 D	1/00		F 23 J	1/00
		15/00	351	A 24 D	1/10	203-205	A 45 D	7/04	270	A 45 D	19/18	21	B 08 B	5/04
302	A 24 B	1/02	352	A 24 B	15/00	206	A 45 D	7/06	271	A 45 D	20/08	22.1	B 08 B	9/00
		3/02	353,354	A 24 B	3/14	207	A 45 D	7/04	272	A 45 D	19/16	22.11	B 08 B	9/03
		3/12			15/12	208	A 61 K	7/13	273	A 45 D	8/04	22 12-22.17	B 08 B	9/00
		9/00	355	A 24 B	3/14			7/135			8/34	22.18	B 08 B	9/093
303	A 24 B	1/02			15/14	209	A 61 K	7/06			8/36	22.19,23	B 08 B	9/00
		3/02	356-358	A 24 B	3/14			7/08	274	A 45 D	8/40	24	B 08 B	9/04
		3/04			15/12	210	A 45 D	7/00	275	A 45 D	8/12	25.1-25.5	B 08 B	9/20
		9/00	359	A 24 B	15/00	211,212	A 45 D	7/02	276	A 45 D	8/00	26-30	B 08 B	3/00
304	A 24 B	1/02	360	A 24 B	1/00	213,213.1	A 45 D	24/34	277	A 45 D	8/20	31	B 08 B	5/00
		3/02	361	A 24 B	1/04	214	A 45 D	24/36	278,279	A 45 D	8/22	32	B 08 B	1/02
		3/04		A 24 F	7/00	215	A 45 D	2/50			8/28	33	B 08 B	7/00

U.S. Class 134

CLEANING AND LIQUID CONTACT WITH SOLIDS

1	B 08 B	3/12
		6/00
		7/00
		7/02
2	C 03 C	23/00
	C 23 G	1/00
3	C 23 G	1/02
4	B 08 B	7/00
5	B 08 B	7/00
	C 23 G	1/00
6,7	B 08 B	7/00
8	B 08 B	9/04
9	B 08 B	7/00
10	B 08 B	7/04
	C 23 G	1/36
11	B 08 B	5/00
		7/04
12,13	B 08 B	7/04
14	B 08 B	1/00
15	B 08 B	1/02
16,17	B 08 B	7/02
18	B 08 B	7/04
19,20	B 08 B	7/00
	F 23 J	1/00
21	B 08 B	5/04
22.1	B 08 B	9/00
22.11	B 08 B	9/03
22 12-22.17	B 08 B	9/00
22.18	B 08 B	9/093
22.19,23	B 08 B	9/00
24	B 08 B	9/04
25.1-25.5	B 08 B	9/20
26-30	B 08 B	3/00
31	B 08 B	5/00
32	B 08 B	1/02
33	B 08 B	7/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 134—Con.			95	E 04 H	15/30	15	F 16 L	55/18	255-267	E 03 B	11/00	562-564.5	E 03 B	7/07
			96	E 04 H	15/02		F 17 D	3/00		F 17 D	1/00	565	E 03 B	5/00
34	B 08 B	3/00	97	E 04 H	15/18	15.1,15.2	F 02 B	27/00	268	E 03 B	11/00		E 03 C	11/16
35	B 08 B	3/10	98	E 04 H	15/28		F 02 K	11/00		E 03 C	1/046		E 03 B	1/00
36	B 08 B	3/00	99	E 04 H	15/26	38-46	G 05 B			F 17 D	1/00	565.1,565.2	E 03 B	5/00
37	B 08 B	7/04	100	E 04 H	15/24		G 05 D		269-271	E 03 B		566-570	E 03 B	5/00
38	B 08 B	7/00	101	E 04 H	15/34	47	G 05 D	13/04		F 17 D				11/16
	C 23 D	17/00	102	E 04 H	15/36			13/08	272-308	E 03 B	9/02	571-579	E 03 B	11/00
39	B 08 B	7/00	103	E 04 H	15/38	48	G 05 D	13/04	309-311	F 16 K	11/00		F 17 D	1/00
40	B 08 B	7/00	104	E 04 H	15/40			13/08			49/00	580	E 03 B	1/00
	C 23 G	1/00	105	E 04 H	15/42			13/10	312-314	E 03 B				3/00
		5/00	106	E 04 H	15/44	49	G 05 D	13/04		F 16 K	23/00		F 16 L	27/00
41	C 23 G	1/02	107,108	E 04 H	15/46			13/08	315-329.4	F 16 K	43/00	581	E 03 B	11/00
42	B 08 B	3/14	109	E 04 H	15/48	50-58	G 05 D	13/10			51/00		F 17 D	1/00
		7/00	110	E 04 H	15/50	59-62	E 03 B	7/10		F 16 L	55/18	582	E 03 C	1/18
43,44	B 08 B	3/00	111	E 04 H	15/52		F 16 P		330-333	F 16 K	29/00	583-589	F 16 K	24/00
45	B 08 B	3/00	112,113	E 04 H	15/48	65,66	F 23 D	5/16	334-341	F 16 K	49/00	590-593	E 03 B	11/00
		3/04	114	E 04 H	15/60			14/72		F 16 L	53/00		F 17 D	1/00
46-103	B 08 B	3/00	115	E 04 H	15/54	67-77	F 16 K	17/14	342	E 03 B	1/00	594-597	E 03 B	
104.1-104.4	B 08 B	3/04	116	E 04 H	15/56			17/40			1/00		E 03 C	
105-122	B 08 B	3/00	117	E 04 H	15/58	78.1	F 16 K	17/36		E 03 C	1/00		F 17 D	
123	B 08 B	3/00	118	E 04 H	15/62			31/04		F 17 D	1/00	598	F 16 D	65/20
		3/04	119	E 04 H	15/64			31/12			3/00			65/32
124-165	B 08 B	3/00	120	E 04 H	15/00	78.2,78.3	F 16 K	17/36	343	F 16 L	3/00			65/72
166-171	B 08 B	3/00			15/32			31/04	345-355.12	A 01 M	7/00	599-616.7	E 03 B	
		9/00	900	E 04 H	15/02			31/12		B 60 P	3/30		E 03 C	
172-201	B 08 B	3/00	901	E 04 H	15/00			31/18		E 01 H	1/10		F 17 D	
		3/12	902	E 04 H	15/00		G 05 B	11/00	355.16-355.27	A 62 C	35/00	624.11-624.22	E 03 B	
		6/00	903	E 04 H	15/54	78.4	F 16 K	17/36		B 65 H	75/34		E 03 C	
			904	E 04 H	15/02			31/44	355.28	F 16 L	3/00	624.27	F 16 K	3/00
			905	E 04 H	15/32		F 23 D	14/72	356-373	F 16 L	5/00	625-637.5	E 03 B	
U.S. Class 135						78.5	F 16 K	17/36	374	F 16 L	3/00		E 03 B	
TENTS, CANOPIES, UMBRELLAS AND CANES						79,80	F 16 K	17/38	375	F 16 L	7/00		E 03 C	
						81.1,81.2	F 16 K	17/36	376	F 16 L	3/00		F 17 D	
						82-86	F 15 B	5/00	377-382.5	E 03 B	1/00	797	E 03 B	
							G 05 D	16/00			3/00		E 03 C	
16	A 45 B	3/00	U.S. Class 136			87-93	G 05 D	11/00		F 16 K	27/08		F 16 K	17/14
		5/00	BATTERIES, THERMOELECTRIC AND PHOTOELECTRIC			94	G 05 D	1/00		F 16 L	35/00			17/40
17-19	A 45 B	21/00				98-101.31	F 23 M	1/00		F 16 P	1/00	798,799	E 03 B	
19.5	A 45 B	13/00	200	H 01 L	35/00	102-107	G 05 D	11/00		F 17 D	1/00		E 03 C	
		19/00					G 05 D	7/00	383-385	F 16 K	35/00		F 16 L	
20,21	A 45 B	11/00	201	H 01 L	35/34	109-122	G 05 D	11/00	385-408	E 03 B		800	F 16 L	35/00
		17/00				123-153	F 04 F	10/00		E 03 C		801	B 67 D	5/37
		23/00	202	H 01 L	37/00		F 16 L	43/00		F 16 K	21/18		F 16 K	21/00
		25/00	203,204	H 01 L	35/28	154	B 67 D	5/54	409-451	F 16 K	31/18	802	E 03 B	
22-24	A 45 B	25/14	205	H 01 L	35/30		F 04 F	1/00	453,454	E 03 B			E 03 C	
		25/16	206,207	H 01 L	35/00	155	F 04 F	1/08		E 03 C			F 16 K	
25	A 45 B	19/00				156-170.6	B 67 D	5/54		F 17 D			F 17 D	
26	A 45 B	19/06	208-212	H 01 L	35/28		F 04 F	1/00	454.2-454.6	F 16 K	25/00	803	F 15 C	1/00
27	A 45 B	25/02	213-216	H 01 L	35/00	171-191	F 16 T				51/00	804,805	F 15 C	4/00
28	A 45 B	25/06				192-196	F 16 T	1/20	455	F 16 K	15/00	806,807	F 15 B	21/00
29-32	A 45 B	25/00	217-222	H 01 L	35/28	197-204	F 16 T				17/00	808-813	F 15 C	1/16
33	A 45 B	25/18	223	H 01 L	35/00	205	B 67 C	3/16	456-466	F 16 K	17/00	814-821	F 15 C	1/12
34	A 45 B	15/00	224-228	H 01 L	35/28	205.5	E 03 D	9/03	467,467.5	F 16 K	15/00	822,823	F 15 C	1/14
35	A 45 B	25/20	229	H 01 L	35/00	206-209	B 67 D	5/54			17/00	824	F 15 C	1/20
36	A 45 B	25/18					F 04 F	1/00	468	F 16 K	17/38	825	F 15 C	1/04
37	A 45 B	25/12	230-234	H 01 L	35/02	210,211	F 04 F	1/18	469-478	F 16 K	17/20	826	F 15 C	1/08
38-43	A 45 B	25/08	235	H 01 L	35/06	211.5-214	B 67 D	5/54	479-484	F 02 D	9/00	827,828	F 15 C	1/04
44	A 45 B	25/00	236.1	H 01 L	35/12		F 04 F	1/00	484.2-484.8	F 16 K	17/34	829	F 15 C	3/00
48	A 45 B	25/28	237	H 01 L	35/08	215-218	E 03 C	1/10	485-492.5	F 16 K	31/12	830	F 15 C	1/08
65	A 45 B	1/00	238	H 01 L	35/16		F 16 K	24/00			31/36	831	F 15 C	1/04
		7/00					F 16 K		493-493.9	F 16 K	17/26	832	F 15 C	3/00
		9/00	239	H 01 L	35/14	219-222	F 16 K				24/00	833	F 15 C	1/06
66	A 45 B	3/00				223-226	F 16 K	15/20	494	F 16 K	31/12	834-841	F 15 C	1/08
		5/00				227-229	F 16 K	15/20			31/36	842	F 15 C	1/18
67	A 61 H	3/00	240,241	H 01 L	35/20			37/00	495	F 16 K	31/14	843-854	F 16 K	15/14
68-73	A 61 H	3/02	242	H 01 L	35/02	230-234.5	F 16 K	15/20	496-510	F 16 K	31/12	855-858	F 16 K	15/16
74,75	A 45 B	9/00	243	H 01 L	25/00	234.6	B 60 S	3/00			31/36	859,860	F 16 K	15/14
76	A 45 B	9/02					E 03 C	1/00	511-513.7	F 16 K	15/00	861	F 16 K	1/00
77-83	A 45 B	9/04					E 04 H	5/00			17/00			3/00
	A 61 H	3/02	244-251	H 01 L	25/00	236.1	E 03 B	7/00			21/04			5/00
84	A 45 B	1/00					F 17 D	1/08	514-514.7	F 16 K	21/10			7/00
		7/00	252-265	H 01 L	31/00	237-246.23	F 16 K	3/36	515-543.23	F 16 K	15/00			11/00
		3/02						5/22			17/00			15/00
85	A 61 H	1/02						11/00			21/04			17/00
	A 45 B	1/02						51/00	544-550	B 01 D		862	F 16 K	1/02
86	A 61 H	3/02				247-250	F 16 K	13/10		E 03 B	3/18			11/14
	A 45 B	9/04						13/10			7/07	863	F 16 K	7/00
87	E 04 H	15/00					F 16 L	43/00	551-559	E 03 B	7/07			11/14
88	E 04 H	15/06	1-12	E 03 B	1/00			55/24		F 16 K	37/00	864	F 16 K	1/14
89	E 04 H	15/08		F 17 D	1/00	251.1	F 16 K	13/10		F 17 D	3/00			11/14
90	E 04 H	15/04						31/12	560	E 03 B				15/04
91	E 04 H	15/10	12.5	A 23 L	2/00	252-254	F 16 K	13/10		E 03 C		865-867	F 16 K	11/14
92	E 04 H	15/12		B 67 D	1/00			43/00	561	F 17 D		868	F 16 K	11/14
93	E 04 H	15/14	13,14	F 17 D	1/16		F 16 L	55/24		E 03 B				17/04
94	E 04 H	15/16			1/18					F 15 B		869	F 16 K	11/14

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 137—Con.			111-117	F 16 L	57/00	183,184	D 03 D	49/52	420	D 03 D	15/00			27/16
		31/12			9/18	185,186	D 03 D	49/54	421-423	D 03 D	15/08			33/00
870	F 16 K	11/14	118-139	F 16 L	11/00	187	D 03 D	49/56	424,425	D 03 D	15/02	111	B 21 F	15/02
		31/02	140-153	F 16 L	9/14	188	D 03 D	49/60	426-428	D 03 D	15/00	112	B 21 F	15/08
871	F 16 K	11/14	154	F 16 L	9/16	189	D 03 D	49/62	429	D 03 D	47/00			27/10
		17/04	155	F 16 L	9/22	190,191	D 03 D	49/60	430	D 03 D	47/40	113	B 21 F	15/02
872-874	F 16 K	1/00	156-178	F 16 L	9/00	192	D 03 D	49/62	431	D 03 D	47/42	114	B 21 F	15/04
875	F 16 K	1/00				193	D 03 D	49/58	432	D 03 D	47/44	115,116	B 21 F	15/02
		1/16				194	D 03 D	41/00	433	D 03 D	47/46	117	B 21 F	7/00
876	F 16 K	1/00					D 03 J	5/00	434	D 03 D	47/48			15/02
		5/00					D 03 D	45/52	435	D 03 D	47/30	118-120	B 21 F	7/00
877	F 16 K	17/02	U.S. Class 139			195	D 03 D	5/00			47/32			15/04
878	F 16 K	17/04	TEXTILES, WEAVING			196 1	D 03 J	5/00	436	D 03 D	47/26	121,122	B 21 F	15/02
879	F 16 K	1/14				196 2	D 03 J	5/06	437-439	D 03 D	47/24	123	B 25 B	
		15/04				196 3	D 03 J	5/00	440	D 03 D	47/02			
		17/04	1	D 03 D		196 4	D 03 J	5/04			47/10			
880	E 03 B		2	D 03 D	39/00	197	D 03 J	5/02	441	D 03 D	47/04	123 5	B 21 F	9/00
	E 03 C		3-6	D 03 D	27/14	198	D 03 J	5/08	442	D 03 D	47/06		B 25 B	25/00
	F 16 K	1/02	7-10	D 03 D	39/02	199-201	D 03 D	35/00	443	D 03 D	47/12	123.6	B 21 F	9/00
		17/04	11	D 03 D	41/00	202	D 03 J	5/00	444	D 03 D	47/14			11/00
		17/06	13-16	D 03 D	37/00	203-205	D 03 D	51/40	445	D 03 D	47/16			21/00
			17-20	D 03 C	13/00	206-211	D 03 J	5/08	446	D 03 D	47/18	124	B 21 F	3/00
			21	D 03 D	39/16	212-219	D 03 J	5/00	447,448	D 03 D	47/20	139,140	B 21 F	1/02
881,882	F 17 D		22,23	D 03 D	35/00	220-223	D 03 J	5/20	449	D 03 D	47/00			11/00
	E 03 B		24	D 03 C	19/00	224	D 03 D	45/00	450,451	D 03 D	47/34			21/00
	E 03 C		25-27	D 03 D	39/22	225-229	D 03 D	45/02	452	D 03 D	47/36	147	B 21 F	1/02
	F 16 K	17/04	28	D 03 D	13/00	230,231	D 03 D	45/18	453	D 03 D	47/38	149	B 21 F	7/00
	F 17 D		29-34	D 03 D	29/00	232,233	D 03 D	45/32	454	D 03 D	47/00	150-154	B 21 F	21/00
883,884	E 03 B		35,36	D 03 C	13/00			45/48	455,456	D 03 C	13/00			
	E 03 C		37,38	D 03 D	39/00			45/34						
	F 16 K	1/00	39-45	D 03 D	39/10	234-240	D 03 D	45/20						
	F 17 D		46,47	D 03 D	39/20	241-244	D 03 D	45/26						
885	E 03 B		48-52	D 03 C	7/00	245-250	D 03 D	45/20						
	E 03 C		53	D 03 C	7/06	251-255	D 03 D	45/02						
	F 16 K	31/12	54	D 03 C	11/00	256-262	D 03 D	45/50						
	F 17 D			D 03 D	5/00	263-268	D 03 D	45/04	1,2	B 21 F	27/00			
886	E 03 B		55.1-57	D 03 C	13/00	269-272	D 03 D	45/10	3	B 21 F	27/04			
	E 03 C		58	D 03 C	5/00	273	D 03 D	45/08	4	B 21 F	27/06			
	F 16 K	1/02	59	D 03 C	3/00	274-280	D 03 D	45/04	5	B 21 F	27/02	11	H 01 M	4/82
	F 17 D		60	D 03 C	3/14	281-286	D 03 D	45/04	6-9	B 21 F	27/00	2,3	B 65 B	1/04
887	E 03 B		61-63	D 03 C	1/00	287,288	D 03 D	45/00	10	B 21 F	27/08			3/04
	E 03 C		64	D 03 C	3/00	289	D 03 D	49/00	11	B 21 F	27/00	4-8	B 65 B	31/00
	F 16 K	5/00				291	D 03 J	1/22	12,13	B 21 F	27/02			3/00
	F 17 D					292-301	D 03 D	49/70	14,15	B 21 F	27/00	9,10	B 65 B	1/04
888-898	E 03 B		65	D 03 C	1/00	302,303	D 03 D	49/20	16	B 21 F	27/00			3/04
	E 03 C					304-316	D 03 D	49/00	17-23	B 21 F	27/02	11,12	B 65 B	1/20
	F 16 K		66-68	D 03 C	1/00	317-332	D 03 J	1/00	24	B 21 F	27/00	13	B 65 B	1/04
	F 17 D		69,70	D 03 C	1/10			15/00	25-50	B 21 F	29/00			3/04
899-899.4	A 01 G	25/09	71	D 03 C	1/06	333-335	D 03 J	51/00	51-57	B 21 F	33/00			3/00
	B 60 P	3/22						51/34	58-70	B 21 F	25/00	14-17	B 67 C	3/00
		3/30	72,73	D 03 C	1/06	336	D 03 D	51/20	71-71 6	B 21 F	45/00	18	B 65 B	1/04
	B 60 R	15/04	74	D 03 C	1/00	336 4,336 6	D 03 D	51/20	72	B 21 F	45/08			3/04
	E 01 H	1/10	75,76	D 03 C	1/12	337	D 03 D	51/18	73,74	B 21 F	1/06			31/00
900-909	E 03 B	3/02	77	D 03 C	5/00	338-340	D 03 D	51/40	75	B 21 F	45/16			3/00
			78-81	D 03 C	13/00	341-347	D 03 D	51/20			1/06	19	B 65 B	31/00
			82-90	D 03 C	9/06	348	D 03 D	51/20			45/00	20	B 65 B	1/04
			91,92	D 03 C	9/00	349-353	D 03 D	51/28	76	B 21 F	37/00			3/04
			93,94	D 03 C	9/04	354-358	D 03 D	51/20	77-81	B 21 F	45/00			31/00
			95	D 03 C	9/00	359-367	D 03 D	51/26	81 5	B 21 F	45/02			3/00
			96	D 03 C	49/00	368	D 03 D	51/32	82-84	B 21 F	45/16	20.5	B 65 B	29/00
			97	D 03 D	49/22	369	D 03 D	51/20	85	B 21 F	45/04	21-31	B 65 B	1/04
			98	D 03 D	49/06	370 1-371	D 03 D	51/34	86	B 21 F	45/00			3/04
26	F 16 L	55/04	99-113	D 03 D	49/50	372-379	D 03 D	51/36	87	B 21 G	7/04			31/00
27,28	E 03 B	7/10	114,115	D 03 D	39/00			3/00	88	B 21 F	35/00			3/00
30,31	F 16 L	55/04	116	D 03 D	39/20	381,382	D 03 J	3/04	89	B 21 F	27/12	32,33	H 01 M	4/72
32-34	E 03 D	7/10	116.5	D 03 D	13/00	383	D 03 D	23/00	90	B 21 F	45/00	34	B 65 B	1/14
			116.6	D 03 D	21/00			25/00			45/00	35,36	B 65 B	1/04
35	E 03 B	7/14	117,118	D 03 D	49/24	384-386	D 03 D	3/00	91	B 21 F	45/16			31/00
			119-121	D 03 D	49/44	387,388	D 03 D	3/02	92	B 21 F	45/00			3/00
36	F 16 L	55/00	123-140	D 03 D	35/00	389,390	D 03 D	1/04	92 1,92 2	B 21 F	3/00	37-64	B 65 B	31/00
37-46	F 15 D		141	D 03 D	49/46	391	D 03 D	27/00	92 3-92 94	B 21 F	21/00	65,66	B 65 B	31/04
89-92	F 16 L	55/10	142-145	D 03 D	49/24	392	D 03 D	27/04	93	B 21 F	45/00	67,68	B 65 B	1/08
93	F 16 L	55/12	146-152	D 03 D	49/26	393	D 03 D	27/18	93 2-93 6	B 21 F	9/02			1/16
94-95	F 16 L	55/10	153,154	D 03 D	49/40	394	D 03 D	27/10			45/00			3/08
96	B 65 D		155	D 03 D	49/48	395	D 02 G	3/42	94,95	B 21 F	45/04			3/10
			156	D 03 D	49/24	396	D 03 D	27/08	97	B 21 F	45/10	69-82	B 67 C	3/02
			157	D 03 D	49/38	397,398	D 03 D	27/00	100	B 21 F	45/00			1/20
97	F 16 L	55/18	158	D 03 D	49/24			27/10	101	B 21 F	15/00			1/28
98,99	F 16 L	55/16	159,160	D 03 D	49/36			39/18	102,102 5	B 21 F	3/00			3/22
100-102	F 16 L	9/22	161-170	D 03 D	49/40			27/12	103	B 21 F	3/00	83	B 65 B	1/30
			170.3-170.7	D 03 D	43/10	399-401	D 03 D	27/06			35/00			3/26
103,104	F 16 L	55/00				402-406	D 03 D	23/00	104	B 21 F	1/06	84-93	B 65 B	1/04
105	F 16 L	1/00				407	D 03 D	11/00	105,106	B 21 F	1/00			3/04
106,107	F 16 L	3/00				408-415	D 03 D	23/00	107-109	B 21 F	33/00			3/02
108	F 16 L	55/00				416-419	D 03 D	25/00	110	B 21 F	27/00	94-96	B 65 B	1/30
109	F 16 L	9/00												
110	F 16 L	11/00												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 141—Con.			U.S. Class 144											
		31/00		WOODWORKING		347	B 27 G	11/00	23-26	B 23 K	35/34	280	C 23 C	8/04
						348-352	B 27 F	1/00	27-30	B 23 K	35/24	281-283	C 23 C	8/06
	B 67 C	3/02					B 27 D	1/00	33,33.1	H 01 L	29/00	284-287	C 23 C	8/10
97-113	B 65 B	1/04	1	B 27 C	9/00	353	B 27 F	7/00	33.2	H 01 L	29/30	300-315	H 01 F	1/04
		3/04	2	B 27 C	9/00	354	B 27 F	1/00	33.3,33.4	H 01 L	29/12			1/14
				B 27 L	1/05	355	B 27 F		33.5	H 01 L	29/06			1/16
	B 67 C	3/02				356,357	B 27 B	1/00	33.6	H 01 L	29/12			1/18
114	B 65 B	3/16				358,359	B 27 M	1/00	100-105	H 01 F	1/02	316	C 23 C	8/20
115-127	B 65 B	1/04				360	B 27 H	1/00	108	C 21 D	1/04	317	C 23 C	8/24
		3/04				361,362	B 27 M	1/02		H 01 F				8/30
	B 67 C	3/02				363	B 27 M		110-113	H 01 F	1/04	318	C 23 C	8/26
128	B 65 B	1/34				364	B 27 K		120-122	H 01 F	1/00			8/32
		3/26					B 27 M	1/00	125	C 21 D	1/62	319	C 23 C	8/22
129-139	B 65 B	43/42		B 27 M	3/00	365	B 27 C		126.1,127	C 21 D	1/00	320	C 22 C	38/00
	B 67 C	3/00	3-12	B 27 C	9/00	366	B 27 L	7/00	128,129	C 21 D	1/54	321	C 21 D	5/06
140-143	B 65 B	57/02		B 27 M	3/00	367,368	B 27 M	1/08	130	C 21 D	1/78			5/08
144-191	B 65 B	43/42	13	B 27 M	3/02	369	B 27 L	5/02			7/00			5/10
	B 67 C	3/00	14	B 27 M	3/30			7/00		C 22 F	3/00			5/12
192-229	B 65 B	1/30	15-19	B 27 C	9/00	370	B 27 B	1/00	131	C 21 D	1/78	322	C 21 D	5/06
		3/28		B 27 M	3/00	371	B 27 M	1/00		C 22 F	3/00	323	C 22 C	37/00
		57/06	20-28	B 27 M	3/00	372	B 27 M	3/00	132	C 21 D	1/00	324	C 22 C	37/00
		57/14	28.1-28.2	B 43 L	23/00	373-375	B 27 L	11/00	133	C 21 D	1/00			37/06
	B 67 C	3/00	28.3-28.9	B 43 L	23/02	376-379	B 27 B	1/00		C 22 F	1/00			38/36
230	B 65 B	1/04	29-33	B 27 M	3/00	380	B 27 M	1/00	134	C 21 D	1/00	325	E 22 C	38/18
		3/04	34	A 01 G	23/08	381	B 27 H	1/00			6/00			38/20
	B 67 C	3/18	35	B 27 B	5/00	U.S. Class 147			135-137	C 21 D	1/00			38/22
231-249	B 65 B	1/04	36-48	B 27 C	9/00	COOPERING			138	C 21 D	5/00			38/24
		3/04	49	B 27 C	5/00					C 22 C	37/00			38/26
		37/00	50-66	B 05 C	1/00				139-141	C 21 D	5/00			38/28
	B 67 C	3/00	67-84	B 27 F	5/00				142-144	C 21 D	1/18			38/30
250-284	B 67 C	3/26	85-91	B 27 F	1/00				145	C 21 D	1/06			38/32
		3/34	92-108	B 27 C	3/00	I	B 27 H	5/00	146	C 21 D	1/00	326	C 22 C	38/34
285-296	B 65 B	1/04	114-132	B 27 C	1/00	2,3	B 27 H	5/04	147	C 21 D	9/24			38/18
		3/04	133-154	B 27 C	5/00	4,5	B 27 H	5/02	148	C 21 D	1/00			38/20
	B 67 C	3/00	155-161	B 27 G	13/00	6	B 27 H	5/00	149	C 21 D	1/68			38/22
297-300	B 65 B	39/00			17/00	7-12	B 27 H	5/10	150	C 21 D	1/10			38/24
	B 67 C	11/00	162-184	B 27 C	1/00	13-17	B 27 H	5/08			1/40			38/26
301-330	B 65 B	1/04	185-191	B 27 C	1/00	18-23	B 27 H	3/02			1/42			38/28
		3/04		B 27 L	11/00	24	B 27 H	5/08			1/08			38/30
	B 67 C	3/00	192-195	A 47 J	49/02	25-35.5	B 27 H	3/02	151	C 21 D	1/06			38/32
331-345	B 65 B	39/00		B 27 L	7/00	36-41	B 27 H	3/04	152	C 21 D	1/00			38/34
	B 67 C	11/04	196,197	B 27 M	1/04	42	B 27 H	5/08	153	C 21 D	1/10			38/36
346-392	B 65 B	1/04	198-206	B 27 F	1/08	43-46	B 27 H	3/00	154	C 21 D	1/40			38/38
		3/00			1/16	48	B 27 J	1/00			1/42			38/40
	B 67 C	3/00	207,208	B 27 L	1/00	49	B 27 H	5/00			1/00			38/42
			209-215	B 27 L	5/00	U.S. Class 148			155	C 21 D	9/52			38/44
			216,217	B 27 G	5/00	METAL TREATMENT			156	C 21 D	1/00			38/46
			218-221	B 27 G	13/00				157	C 21 D	1/00			38/48
			222,223	B 27 B	33/00				158	C 21 D	1/00			38/50
			224-237	B 27 G	13/00					C 22 F	1/00			38/52
			238,239	B 27 B	33/00				159	C 21 D	1/00			38/54
			240,241	B 27 G	13/00	1	C 21 D			C 22 F	1/04			38/56
			242-250	B 27 B	31/00		C 22 C	1/06	160	C 21 D	1/00			38/58
				B 27 C	1/12		C 22 F			C 22 F	1/08	327	C 22 C	38/38
					5/02		C 23 C		161	C 21 D	1/00			38/40
			251,252	B 27 G	19/00		C 23 F			C 22 F	1/06			38/42
					21/00	2,3	B 22 D	25/00	162	C 21 D	1/00			38/44
			253	B 27 B	31/00		C 21 D	8/00		C 22 F	1/16			38/46
				B 27 C	1/12		C 22 F		240,241	C 23 C	8/00			38/48
					5/02	4	C 23 C				22/00			38/50
			254-271	B 27 H	1/00	9	B 23 K	7/00	242	C 23 C	22/70			38/52
			278	B 25 B	3/00			9/00	243	C 23 C	22/00			38/54
			284	B 27 H	5/00		B 26 F	3/06	244	C 23 C	22/84			38/56
			285	B 25 H	1/12	9 5,9 6	B 23 K	7/00	245,246	C 23 C	22/00			38/58
			286,287	B 25 H	1/00			9/00	247	C 23 C	22/48			38/00
			288 5-308	B 25 H	5/00			26/00	248,249	C 23 C	22/02	328	C 22 C	38/02
			329	B 27 M	1/00			3/06	250-252	C 23 C	22/00			38/04
			330	B 27 M	3/00	11 5	B 26 F		253	C 23 C	22/07			38/06
			331	B 27 M	3/22	12-12.7	C 22 F		254	C 23 C	22/78			38/08
			332	B 27 G	1/00	12.9	C 21 D	1/04	255	C 23 C	28/00			38/10
			333	B 27 J	7/00	13	C 21 D	1/00	256,257	C 23 C	22/82			38/12
			334	A 01 G	23/06		C 22 F	1/00			28/00			38/14
			335-339	A 01 G	23/08	13.1,13.2	C 21 D	1/44	258	C 23 C	22/33			38/16
			340	B 27 L	3/00			1/56	259-263	C 23 C	22/07	329	C 22 C	38/04
			341	B 27 L	1/00			1/68	264	C 23 C	22/24	330	C 22 C	38/00
					1/05			1/08	265	C 23 C	22/82			38/32
					1/06	14-19	C 22 F	1/48	266-268	C 23 C	22/24			38/54
					1/08			1/56	269-271	C 23 C	22/48	331	C 22 C	38/00
					1/10		C 21 D	1/46	272	C 23 C	22/82	332	C 22 C	38/16
					1/12			1/56	273	C 23 C	22/48			38/20
					1/14	20.3	C 21 D	1/56	274	C 23 C	22/00			38/42
					3/00			1/74	275	C 23 C	22/56	333	C 22 C	38/18
			342,343	B 27 L	1/00	20.6	C 21 D	1/44			22/57			38/22
53,54	B 27 C	7/04	344	B 27 F	7/00			1/56	276	C 23 C	28/00			38/24
55	B 27 C	7/00	345	B 27 F										

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 148—Con.			906	C 21 D	9/36	73	C 06 B	31/06	20-39	B 60 B	9/00	458	B 60 C	9/00
		38/30	907	C 21 D	9/40	74	C 06 B	47/04	40-52	B 60 B	9/12			9/12
		38/34	908	C 21 D	9/02	75	C 06 B	29/00	53-68	B 60 B	9/18	500	B 60 C	5/02
		38/35	909	C 21 D	9/08	76	C 06 B	29/22	69-86	B 60 B	9/04			19/00
		38/40			9/14	77	C 06 B	29/02	87-112	B 60 B	9/08	501	B 60 C	5/00
		38/44	910	C 21 D	9/00	78	C 06 B	29/16	151	B 60 C				5/02
		38/46				79	C 06 B	29/20	152	B 60 C	17/00			19/00
		38/48				80	C 06 B	29/18	152.1	B 60 C	19/00	502	B 29 C	73/16
		38/50				81	C 06 B	29/14			19/08		B 60 C	19/12
		38/52				82	C 06 B	29/12	153	B 60 C	23/18	503-507	B 29 C	73/16
		38/56				83	C 06 B	29/08	154	B 60 C	19/00			73/22
		38/58				84	C 06 B	29/10	154.1	B 60 C	19/00		B 60 C	19/12
		38/59				85	C 06 B	29/04		F 16 F	15/32	508	B 29 C	73/18
334	C 22 C	38/22				86	C 06 B	29/06	154.2	B 60 C	11/24		B 60 C	23/00
335	C 22 C	38/44				87	C 06 B	27/00	155-166	B 60 C	5/00			23/10
336	C 22 C	38/08	1	C 06 B	47/00	88	C 06 B	25/00	167-184	B 60 C	7/22	509	B 29 C	73/18
337	C 22 C	38/00	2	C 06 B	45/00	89	C 06 B	25/36			9/00		B 60 C	19/12
		38/12	3	C 06 B	45/18	90	C 06 B	25/40			11/00			23/00
		38/14	4	C 06 B	45/36	91	C 06 B	25/38			27/00			23/10
400	C 22 C	7/00	5	C 06 B	45/30	92	C 06 B	25/34	185	B 60 C	7/22	510	B 60 C	5/02
		11/00	6	C 06 B	45/32	93	C 06 B	25/32			9/00			5/12
		12/00	7,8	C 06 B	45/34	94	C 06 B	25/28			27/00			19/12
		20/00	9	C 06 B	45/20	95	C 06 B	25/30	185.1	B 60 C	7/22			23/00
		24/00	10	C 06 B	45/28	96	C 06 B	25/18			9/00	511	B 60 C	5/02
		25/00	11	C 06 B	45/22	97	C 06 B	25/24			27/00	512	B 60 C	5/02
		28/00	12	C 06 B	45/24	98	C 06 B	25/26			27/06			5/08
401	C 22 C	43/00	13	C 06 B	45/26	99	C 06 B	25/22			55/20	513	B 60 C	5/00
402,403	C 22 C		14	C 06 B	45/12	100	C 06 B	25/20			55/24			19/00
404	C 22 C	27/06	15	C 06 B	45/14	101	C 06 B	25/10	186-207	B 60 C	7/22	514,515	B 60 C	5/00
	C 22 F	3/00	16	C 06 B	45/6	102	C 06 B	25/12			9/00			19/00
405	C 22 C		17	C 06 B	45/04	103	C 06 B	25/16			27/00			19/04
406	C 22 C	23/00	18	C 06 B	45/06	104	C 06 B	25/14	208-245	B 60 C	11/00	516	B 60 C	17/00
407	C 22 C	14/00	19 1-19.93	C 06 B	45/10	105	C 06 B	25/04			27/00	517	B 60 C	17/00
		16/00	20	C 06 B	45/08	106	C 06 B	25/06			7/00			17/04
		27/00	21	C 06 B	45/02	107	C 06 B	25/08	246-329	B 60 C	5/00	518	B 60 C	17/01
		19/07	22	C 06 B	43/00	108	C 06 B	25/02	331.1-338.1	B 60 C	5/20			17/02
408	C 22 C	19/03			47/10	108.2-109.6	D 03 D	23/00			19/00	519	B 60 C	17/02
409	C 22 C	19/05	23	C 06 B	41/00			43/00	339.1-342.1	B 60 C	5/22	520	B 60 C	17/02
410	C 22 C	9/00	24	C 06 B	41/02						19/00			17/04
411	C 22 C	9/02	25	C 06 B	41/10				343.1-345.1	B 60 C	5/00	521	B 60 C	17/10
412	C 22 C	9/04	26	C 06 B	41/08						5/18			19/00
413	C 22 C	9/06	27	C 06 B	41/04						19/00	522	B 60 C	17/00
414	C 22 C	21/00	28	C 06 B	41/06						73/00			17/08
415	C 22 C	21/12	29	C 06 B	39/00				367-373	B 29 C	5/16	523	B 60 C	5/00
416	C 22 C	21/06	30	C 06 B	39/06				375-378	B 60 C	7/24			13/00
417,418	C 22 C	21/16	31	C 06 B	39/02	100	A 45 C	1/02			25/00			13/02
		30/00	32	C 06 B	39/04			3/06			21/10			19/00
419	C 22 C	23/00	33	C 06 B	37/00	101,102	A 45 C	13/18	379.3-380	B 60 B	15/02	524	B 60 C	13/00
420	C 22 C	14/00	34	C 06 B	37/02	103-105	A 45 C	3/08			21/02			13/04
421	C 22 C	16/00	35	C 06 B	35/00	106	A 45 C	13/40	381.3-381.6	B 60 B	15/02	525	B 60 C	1/00
		27/03	36	C 06 B	47/08			15/00			15/06			5/00
422	C 22 C	27/02	37	C 06 B	33/00	107-110	A 45 C	13/26			21/10	526	B 60 C	13/00
423	C 22 C	27/04	38	C 06 B	33/08			13/30	382,383	B 60 B	15/02			9/00
		27/06	39	C 06 B	33/10			1/08	384-414	B 60 C	5/16			9/18
424	C 22 C	22/00	40	C 06 B	33/12	111	A 45 C	1/02			7/24			9/20
425	C 22 C	19/07	41	C 06 B	33/14	112-117	A 45 C	3/06			25/00			9/22
426	C 22 C	19/03	42	C 06 B	33/06			13/10	415-426	B 60 C	23/10	527	B 60 C	9/00
427,428	C 22 C	19/05	43	C 06 B	33/04	118	A 45 C	13/06			29/00			9/18
429	C 22 C	19/03	44	C 06 B	33/02	119	A 45 C	13/10	427	B 60 C	23/10			9/20
430	C 22 C	5/00	45	C 06 B	31/00			13/34			29/06			9/22
431	C 22 C	5/06	46	C 06 B	31/28	120-126	A 45 C	13/06	428	B 60 C	23/10			9/24
432	C 22 C	9/00	47	C 06 B	31/32			1/02			29/00			3/48
433	C 22 C	9/02	48	C 06 B	31/56	127-130	A 45 C	3/06	429	B 60 C	23/10	528,529	B 60 C	9/00
434	C 22 C	9/04	49	C 06 B	31/52			13/36			29/06			9/18
435	C 22 C	9/06	50	C 06 B	31/54			1/06	430,431	B 60 C	23/10			9/20
436	C 22 C	9/01	51	C 06 B	31/44	131	A 45 C	11/18			29/00			9/24
437	C 22 C	21/00	52	C 06 B	31/48			1/06	450	B 60 C	5/00			9/26
438	C 22 C	21/12	53	C 06 B	31/50	132-146	A 45 C	11/18	451	B 60 C	9/00	530-533	B 60 C	9/00
439	C 22 C	21/06	54	C 06 B	31/38	147-149	A 45 C	1/00			3/48			9/18
		21/16	55	C 06 B	31/42	150-153	A 45 C	65/02	452	B 60 C	5/01			9/20
440	C 22 C	18/00	56	C 06 B	31/40	154-168	B 65 D	85/00			19/00			9/22
441	C 22 C	30/00	57	C 06 B	31/34				453	B 60 C	3/00			9/24
442	C 22 C	10/00	58	C 06 B	31/36				454	B 60 C	3/02	534	B 60 C	9/00
900	C 21 D	3/00	59	C 06 B	31/30						3/04			9/09
	C 22 F	3/02	60	C 06 B	31/02						5/00			9/18
901	C 21 D	3/00	61	C 06 B	31/12						19/00			9/20
		3/02	62	C 06 B	31/22						3/06			9/22
		3/04	63	C 06 B	31/24						5/00			9/24
		3/06	64	C 06 B	31/26						19/00			9/26
		3/08	65	C 06 B	31/20						19/00			9/28
902	C 21 D	9/00	66	C 06 B	31/14	1	B 60 B	9/00	455,456	B 60 C	3/06	535	B 60 C	9/00
903	C 21 D	10/00	67	C 06 B	31/16	2-4	B 60 B	9/00			5/00			9/06
904	C 21 D	9/30	68	C 06 B	31/28	5-18	B 60 B	15/04	457	B 60 C	3/08			9/18
905	C 21 D	9/18	69	C 06 B	31/16			15/20			5/00			9/20
		9/22	70	C 06 B	31/08			19/02			19/00			9/22
		9/24	71	C 06 B	31/10									
			72	C 06 B	31/04	19	B 60 B							

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 152—Con.														
		9/24	42	B 32 B	31/22	90	B 32 B	33/00	182	B 32 B	31/00	330 9-331 9	C 09 J	4/00
		9/00	43	B 32 B	3/18	91	B 32 B	7/04		C 09 J				101/00
536	B 60 C	9/12	44	B 32 B	5/20	92,93	B 32 B	7/08	183	B 31 F	1/12			201/00
		9/18	45	B 32 B	31/12	94	B 32 B	35/00	184-195	B 31 C		332-335	C 09 J	
		9/20	46	B 32 B	31/14	95,96	B 29 C	73/00		B 65 H	81/00	336-338	C 09 J	4/00
		9/22	47	H 01 B	3/24		B 32 B		196	B 31 F				101/00
		9/24	48	H 01 B	13/00		B 60 C	11/00	197	B 29 C	73/06			201/00
537	B 60 C	9/24	49		13/00	98	B 32 B	35/00		B 31 D	73/10	344	B 32 B	
		1/00		B 21 F	17/34	99,100	B 32 B	17/00		B 29 C	3/02	345	C 23 F	1/02
		9/00		H 01 R	15/02		C 03 C	27/00	198	B 29 C	49/00	346-348	B 28 B	
		9/18			3/00		G 02 B		199-202	B 31 F	1/00		B 32 B	13/00
		9/20			4/00	101-107	G 02 C	7/00	203	B 29 C	53/00	349-352	B 32 B	31/00
		9/22		H 02 G	17/00		B 32 B	17/00	204	B 31 F			C 05 G	15/00
		9/24	50	H 01 B	31/00			31/00	205,206	B 31 F	1/22	353-355	B 26 D	5/00
538	B 60 C	9/00	51	H 01 B	7/02	108	C 03 C	27/00	207	B 31 F	1/22		B 32 B	31/00
		9/18			13/06		B 60 J	1/00		B 31 F	1/32	356,357	B 05 B	
		9/20			13/22		E 06 B	3/00	208	B 31 F	1/22	358-360	B 32 B	31/00
		9/22	52	H 01 B	13/10			5/00	209	B 31 F			C 05 G	15/00
		9/24			13/26	109	C 03 C	27/00	210	B 31 F	1/20	361	B 32 B	31/00
		9/28	53-56	H 01 B	13/06		E 06 B	3/24	211	B 31 F	1/00		B 65 H	26/00
539,540	B 60 C	15/00			13/26	110,1,111	B 29 C	35/00	212-215	B 65 C		362,363	B 32 B	31/00
541,542	B 60 C	15/06	57	A 01 H	1/00	112,113	B 29 C		216	B 32 B	3/04		B 65 C	9/40
543	B 60 C	5/16			3/00	114	B 29 D	30/66	217,218	B 29 C	53/00	364	B 32 B	31/00
		15/06	58,59	B 44 C		115	B 29 C	73/16	219-227	B 31 F		365-368	B 32 B	31/00
544	B 60 C	15/00	60	B 31 B	1/60	116	B 29 B	17/00	228,229	B 29 C			C 05 B	
		15/024		B 32 B	31/00	117	B 29 D	30/00		B 32 B	31/00	378	B 32 B	31/00
545	B 60 C	15/00		B 65 B		118,119	B 29 C		230	B 44 C	1/165		G 01 D	
		15/05		B 65 C		120,121	B 60 C	29/00	231	B 29 B		379	B 32 B	31/00
546	B 60 C	13/00	61	A 41 G		122	B 29 C	65/00	232-241	B 44 C		379.6-380.9	B 27 G	11/02
		15/00		B 44 C		123	B 29 D	30/00	242,243	B 29 B			B 31 F	5/04
		15/06		B 44 D		124	B 60 C	9/14	244,11-246	B 29 C	47/00		B 32 B	31/24
547	B 60 C	1/00	62	B 32 B	31/00			9/16	247-249	B 32 B	31/00	381,382	B 32 B	31/00
		15/00			35/00	125	B 29 C			C 09 J		383	B 32 B	
548	B 60 C	9/02		B 43 K		126,127	B 29 D	30/58	250-275.7	B 32 B	31/00	384-388	B 32 B	
549	B 60 C	9/00		B 43 L		128.1-130.7	B 29 D	30/08	276	B 32 B	31/00		B 41 M	
		9/02	62.2-62.8	B 27 H	3/00	131,132	B 29 D	30/32		C 09 J		389-391	B 32 B	
		9/18		B 31 D		133,134	B 29 D	30/16	277	B 32 B	31/00	392	B 32 B	
550	B 60 C	9/00		B 32 B	17/00	135	B 29 D	30/32	278-280	B 41 M			B 65 H	81/00
		9/02		D 21 J		136	B 29 D	30/48		B 05 B		393	B 32 B	
551	B 60 C	9/00	63	B 44 C		137	B 29 D	17/00	281-284	B 32 B	31/00		D 03 D	
		9/02		B 32 B	31/00		F 16 G	1/00		B 32 B	31/00	394.1-396	B 60 C	9/00
		15/00	64	E 06 B	9/26	138	F 16 G	1/00	285-287	C 09 J		397	B 29 D	30/08
552-554	B 60 C	9/00	65	A 41 H	37/00	139-142	F 16 G	5/00	288,289	B 29 C	65/00	398-403	B 29 D	30/18
		15/00	66	A 44 B	19/00	143,144	B 31 C			B 32 B	31/00	404	B 29 C	
555	B 60 C	9/00	67	B 44 C		145	A 63 B	39/00	290	C 09 J		405.1-413	B 29 D	30/08
		13/00		B 44 D				41/00		B 32 B	31/00	414-419	B 29 D	30/24
		17/00		B 44 F	1/00		B 32 B	31/00	291	B 32 B	7/14		B 29 D	30/16
556	B 60 C	9/00		C 09 K	11/00	146	A 63 B	39/00	292-294	B 32 B	31/00	421-421.8	B 29 D	30/00
557	B 60 C	9/00	68	C 14 B	1/02			41/00	295	B 32 B	31/00	422	B 29 D	30/48
		9/10			15/00	147	A 63 B	39/00		C 09 J		423	B 29 C	
		9/12	69	B 65 B	7/00			41/00	296	B 32 B		424	H 01 K	
		9/13	70	A 41 H			B 32 B	31/00	297	B 32 B	31/00	425-432	B 31 C	
		9/14		B 32 B	3/00	148,149	B 32 B			B 65 C			B 65 H	81/00
		9/16		B 65 B	11/00		D 03 D		298	B 32 B	31/00	433	B 65 H	
558	B 60 C	9/04		E 04 B	2/00	150,151	C 25 D		299	B 32 B	31/00		O 04 H	
559	B 60 C	9/04	71	E 04 F	13/00	152	B 32 B	31/00		B 65 C		434	B 32 B	
		9/06		A 46 D	1/00		C 09 J		300-302	B 32 B	31/00		H 01 M	
		9/10	72	B 32 B	5/00	153,154	B 32 B	31/00	303	B 32 B	31/00	435	O 04 H	11/08
560	B 60 C	9/04		D 05 C	15/00	155	B 32 B	31/00		B 65 C		436	B 65 H	
		9/08		B 32 B	31/16		C 09 J		303.1	B 29 C			D 04 H	
561	B 60 C	9/04	73.1,73.2	B 32 B	31/18	156	B 65 C	3/26	304.1-304.7	B 29 C	65/00	437	B 29 C	
		9/09	73.3	B 32 B	31/16	157	B 31 F	5/00	305,306.3	C 09 J	5/00	438-440	B 65 H	
562	B 60 C	9/00	73.4	B 29 C	65/06		B 65 H	19/00	306.6,306.9	C 09 J	5/10		D 04 H	
		9/07	73.5	B 32 B	31/16			69/02	307.1	B 32 B	31/26	441,441.5	B 43 M	3/00
		9/10	73.6,74	B 32 B	31/00			15/04	307.3-307.5	C 09 J	5/02	442	B 43 M	3/00
563	B 60 C	9/10	75	G 01 M	1/00	158	B 65 H	69/02	307.7	B 32 B	31/26	442.1-442.3	B 43 M	3/00
		9/11		D 21 H	23/00	159	B 31 F	5/00	308.2,308.4	B 32 B	31/20	442.4	B 43 M	
		9/14			27/06		G 03 D	15/04	308.6-309.3	C 09 J	5/02	443	B 31 F	
564,565	B 60 C	1/00	77-79	B 32 B	5/18	160	B 32 B	31/00	309.6,309.9	B 32 B	31/20		B 65 C	
		9/02			31/14	161	C 09 J		310	B 32 B	7/00	444	B 65 C	9/28
			80	B 29 C	65/00	162	B 32 B		311,312	C 09 J	5/00	445	A 63 B	3/12
			81	A 63 B	37/02	163	B 65 H	81/00	313	C 09 J	7/00	446	B 65 C	
				B 32 B	1/06		B 31 C	31/00	314-319	C 09 J	5/04			
				B 32 B	31/12		B 32 B		320	B 65 C	9/25	447	B 65 C	9/04
			82	B 44 D	5/00	164	B 32 B	31/08		C 09 J	5/06	448-456	B 65 C	9/04
				B 32 B	31/02	165	B 32 B	31/00	321	B 29 C	67/00	457	B 65 C	3/12
			83	B 32 B	31/14	166	B 32 B			C 09 J	5/06			3/16
					31/14	167	D 04 H	3/16	322-324	B 65 C	9/25			9/04
1	B 31 B	1/60	84-87	B 32 B	31/00	168	D 04 H		324.4	C 09 J	5/02	458	B 65 C	9/04
39	B 32 B	13/00	88	D 03 D	47/50	169-175	B 31 C		325-327	C 09 J		459	B 31 F	1/00
		31/06		D 06 C	25/00		B 65 H	81/00	328	C 09 J	4/00	460	B 29 D	29/06
40	B 32 B	1/00	89	C 03 B	29/00	176-179	B 32 B	5/00			101/00	461	B 31 F	1/00
		31/14		C 04 B	33/34			29/02			201/00	462	B 31 F	1/20
41	B 32 B	31/12			37/00	180,181	D 04 H	3/08	329,330	C 09 J		463	B 31 F	
U.S. Class 156														
ADHESIVE BONDING AND MISCELLANEOUS CHEMICAL MANUFACTURE														

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 156—Con.														
464	B 32 B	31/00	620 3	C 30 B	29/40	664-666	B 44 C	1/22	36-41	B 01 L	7/02	181-187	E 05 D	15/00
	B 65 C				29/48		C 23 F	1/00		B 01 D	1/00		E 06 B	3/48
465	B 31 F	1/00			15/00			3/00	42	B 01 D	1/30			3/96
466	B 29 D	23/00	620 4	C 30 B	29/06	667	C 23 F	1/00	43.1-44	B 01 D	1/00	188-193	E 05 F	11/00
	B 31 F				29/08	668	B 29 C	37/00	45	B 01 D	1/00			13/00
467,468	B 31 F	1/00	620 5	C 30 B	29/06	906,907	B 29 D	30/38			9/00			15/00
469-473	B 31 F	1/20			13/22	909	B 29 C		46	B 01 D	1/00	194-198	E 05 D	15/06
474	B 31 F	1/32	620 7,620 71	C 30 B	13/00				47.1-47.3	B 01 D	1/00	199	E 05 D	15/26
			620 72	C 30 B	13/24	U.S. Class 157			48.1	F 26 B	7/00	200	E 05 D	15/06
475	B 65 C				13/20	WHEELWRIGHT MACHINES			48.2	B 01 D	1/16		E 06 B	3/48
476	B 32 B		620 73-620 75	C 30 B	13/20				49	F 26 B	3/12			3/96
477.1	B 42 C	9/00	620 76	C 30 B	13/14	1	B 27 H	7/00		B 01 D	1/22	201-205	E 05 D	15/06
	B 65 C	3/00	621-624	C 30 B	7/00		B 60 C		U.S. Class 160					15/16
478	B 32 B	3/04			9/00	1.1	B 60 C	25/00	CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE			206,207	E 05 D	15/26
	B 65 C				11/00			25/01				208-213	E 05 D	15/00
479,480	B 32 B	3/04			13/00			25/05						15/26
481	B 65 C				15/00			25/132				214	E 05 D	15/00
					17/00			25/15	1-9	E 05 F	15/20	215-228	E 06 B	3/12
482-493	B 65 C				19/00	1.11	B 60 B	30/10	10	G 08 B	13/08			9/00
494-496	B 32 B	31/00			21/00		B 60 C	25/132	11	A 47 L	1/00	229.1	E 06 B	3/48
497-499	B 32 B	31/00	625	B 44 C	1/22		B 60 C	25/132	12-17	E 06 B	9/52			7/086
	C 09 J			C 25 F	3/00	1.21	B 60 C	25/12	19	E 06 B	9/00	230	E 06 B	3/12
500	B 29 B	15/00	626,627	H 01 L	21/306			25/122	20-22	E 04 F	10/00			9/00
501	B 29 B	5/00	628-632	B 44 C	1/22		B 60 C	25/135		E 06 B	9/00	231, 231 2	E 06 B	3/48
502	B 31 F	19/00		C 03 C	15/00	1.26	B 60 C	25/125	23.1	E 04 F	10/05			7/086
	B 65 H	69/02			25/06			25/13		E 06 B	9/08			9/00
		15/04	633	H 01 L	21/306	1.28	B 60 C	25/132	24-31	A 47 H	1/00	232-236	E 06 B	3/12
503	B 29 C			B 44 C	1/22			25/128	32-36	E 04 F	10/08			9/00
504	B 65 H	19/00		C 03 C	15/00	1.3	B 60 C	25/132		E 06 B	9/26	237	A 47 H	23/00
505,506	B 31 F	5/00			25/06	1.33-1.49	B 60 C	25/132	37-39	E 04 F	10/00	238-265	A 47 G	5/02
	G 03 D	15/04		H 01 L	21/306	1.5,1.55	B 21 K	1/34		E 06 B	9/00			1/00
507-509	G 03 D	15/04	634	B 44 C	1/22	2-4	B 27 H	7/00	40-43	E 06 B	7/16	266	A 47 H	3/00
510-527	B 32 B	31/00		C 23 F	1/00	5,7	B 60 C	25/20			7/14	267, 1,268 1	A 47 G	5/02
528	B 43 M			H 01 L	21/306	8-10	B 27 H	7/00	44	E 06 B	7/14			9/56
529-535	B 32 B	31/00	635-639	B 44 C	1/22	11	B 60 C	25/00	45-54	E 04 F	10/00	269-272	A 47 H	3/00
536	B 32 B			C 03 C	15/00	12	B 27 H	7/00	55	E 04 F	10/06			9/17
537-539	B 32 B	31/00			25/06	13	B 29 D	30/68	56,57	E 04 F	10/02	273.1	A 47 G	5/02
540-542	B 44 C			C 23 F	1/00	14	B 60 B	30/00	58.1	E 04 F	10/04			9/56
543-553	B 32 B	31/04		H 01 L	21/306		B 60 C	25/00			10/10	274-289	A 47 H	3/00
554,555	B 31 F	5/00	640,641	B 41 C	1/00	15	B 60 C	25/05	59,60	E 04 F	10/00			9/17
	B 32 B	31/04		B 44 C	1/22	16	B 60 B	30/06	61	E 04 F	10/08	290.1	A 47 G	5/02
556	B 31 F	5/00		C 03 C	15/00	17-21	B 60 C	25/00	62	E 04 F	10/02			9/56
	B 32 B	31/00			25/06				63	E 04 F	10/02	291-308	E 06 B	9/56
557-563	B 65 H	29/00	642,643	H 01 L	21/306				64,65	E 04 F	10/00	309-322	A 47 G	5/02
564,565	B 32 B	31/00		B 44 C	1/22				66-75	E 04 F	10/06			1/00
566-568	B 65 C	9/08		C 03 C	15/00				76	E 04 F	10/02			9/56
569	B 65 C	9/08			25/06				77-83.1	E 04 F	10/00	323.1	A 47 G	5/02
	B 65 H			C 23 F	1/00	U.S. Class 159			84.1-84.3	A 47 H	5/00			1/13
570-573	B 65 C	9/08		H 01 L	21/306	CONCENTRATING EVAPORATORS				E 06 B	3/48			9/17
574-577	B 44 C	7/00	644	B 23 P	15/00						3/94			9/56
		7/04		C 03 C	25/06	1.1	B 01 B	1/00	85,86	A 47 H	1/00	324,325	E 06 B	9/56
		7/06	645-647	C 23 F	1/00	2.1	B 01 D	1/00	87-107	A 47 H	1/00	326	A 47 H	1/13
		7/08		B 44 C	1/22			1/28		E 06 B	3/32			9/56
	E 04 D	15/00		C 03 C	15/00	2.2	B 01 D	1/00	108-112	A 47 H	1/00	327-329	A 47 H	23/00
578	B 65 C	11/04			25/06	2.3	B 01 D	1/00		E 06 B	9/08			3/80
579	B 32 B	31/00		C 23 F	1/00			1/28	113-119	E 06 B	3/48			9/56
	C 09 J			H 01 L	21/306	3	B 01 D	1/00	120	A 47 H	1/00	330-332	A 47 H	1/00
580	B 23 K	37/00	648,649	H 01 L	21/306	4.01-4.09	B 01 B	1/00		E 06 B	9/08			9/56
	B 30 B				21/312	4.1-4.4	B 01 D	1/16	121.1	E 06 B	9/08	333-339	A 47 H	1/00
	B 32 B	31/00	650-653	B 44 C	1/22	5-7	B 01 D	1/22	122	A 47 H	1/00	340,341	A 47 H	5/00
580.1-582	B 32 B	31/00		C 03 C	15/00	8	B 01 D	1/14		E 06 B	9/08	342	A 47 H	5/04
583.1-583.91	B 30 B	5/02			25/06			1/22	123-126	A 47 H	1/00	343	A 47 H	5/06
		5/04		C 23 F	1/00	9.1-15	B 01 D	1/22		E 06 B	9/00	344-347	A 47 H	5/00
		15/34	654,655	H 01 L	21/306	16.1-16.3	B 01 D	1/14	127,128	E 06 B	3/48	348	A 47 H	13/14
584	B 32 B			B 44 C	1/22	17.1-17.4	B 01 D	1/26	129-132	E 06 B	9/00	349.1	A 47 H	1/00
588	B 32 B	31/00	656	B 44 C	1/22	18	B 01 D	1/00			9/08			23/01
600-615	C 30 B			C 23 F	1/00			1/26	133	E 06 B	3/94	349.2	A 47 H	19/00
616.1	C 30 B	21/00		H 01 L	21/312	19-20.2	B 01 D	1/26	134	E 06 B	5/00	350	A 47 H	7/00
616.2	C 30 B	29/06	657	B 44 C	1/22	21	B 01 D	1/00	135	A 47 G	3/92	351	A 47 G	5/00
		29/08		C 03 C	15/00		C 13 G	1/00	136-165	E 06 B	9/26	352	E 06 B	9/00
616.3	C 30 B	11/14			25/06	22-24.3	B 01 D	1/00	166.1,167	E 06 B	9/30			9/24
		17/00		H 01 L	21/312	25.1,25.2	B 01 D	1/00	168.1	E 06 B	9/36	353	A 47 G	5/00
616.4	C 30 B	11/00			1/22			1/30			9/30			3/30
		21/00	658	B 44 C	1/22	26.1,26.2	B 01 D	1/04	169-173	E 06 B	9/26			9/24
616.41	C 30 B	21/02	659.1-661.1	B 44 C	1/22	27.1-27.5	B 01 D	1/06	174-176.1	E 06 B	9/38			
		21/00		C 03 C	15/00	28.1-29	B 01 D	1/00	177	E 06 B	9/30	354	A 47 H	23/00
		21/02			25/06	30	B 01 D	1/30	178.1	E 06 B	9/36	368.1	A 47 H	13/00
617.1	C 30 B	15/00		C 23 F	1/00	31	B 01 D	1/00			9/38			15/00
618.1	C 30 B	15/06	662,663	H 01 L	21/312	32	B 01 D	1/00	178.2	E 06 B	9/324			3/00
619.1	C 30 B	15/00		B 44 C	1/22		C 13 G	1/00	178.3	E 06 B	9/382			9/00
620.1	C 30 B	15/34		C 03 C	15/00	33	B 01 D	1/30			9/384	368.2	A 47 G	9/00
620.2	C 30 B	15/00			25/06	34	B 01 D	1/00			3/80	369,370	A 47 H	3/00
				H 01 L	21/306	35	B 01 D	1/00	180	E 06 B	7/28			15/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 160—Con.			62	D 21 C	7/12			25/00			25/00	250	D 21 C	7/10
	E 06 B	3/00		G 01 N				27/00			27/00	251	D 21 C	7/00
370.1	B 60 J	5/00	63-71	D 21 C		115-117	D 21 F	11/00	183-186	D 21 F	11/00	252,253	D 21 F	7/00
	E 06 B	5/00	72	D 21 C	3/20			13/00		D 21 H	11/00	254	D 21 D	
370.2	B 60 J	1/20	73	D 21 C	3/18			13/00			13/00	255	D 21 F	7/04
		3/00			3/20			15/00			17/00	256,257	D 21 F	
		11/00	74-77	D 21 C	3/20			17/00			19/00		D 21 J	
371-381	A 47 G	5/00	78-80	D 21 C	3/00			19/00			21/00	258	D 21 F	1/08
	E 06 B	3/30	81	D 21 C	3/16			21/00			23/00	259	D 21 F	1/06
		9/24	82	D 21 C	3/00			23/00			25/00	260	D 21 F	
382	A 47 H	3/00	83	D 21 C	3/04			25/00			27/00		D 21 J	
		23/00	84	D 21 C	3/04			27/00	187	D 21 H	11/00	261	D 21 D	1/00
383-404	A 47 H	13/00			3/26	118	B 31 C				13/00		D 21 F	
405	A 47 H	33/00	85	D 21 C	3/18		D 21 F	5/00			15/00	262	D 21 F	7/02
900	E 06 B	9/36			3/02		D 21 H	11/00			17/00	263	D 21 F	7/06
901	E 06 B	9/302		D 21 C	3/04			13/00			19/00	264	D 21 F	1/66
902	E 06 B	9/323			3/26			15/00			21/00	265,266	D 21 H	11/00
903	A 47 H	1/13	87	D 21 C	3/18			17/00			23/00			13/00
	E 06 B	9/17	88	D 21 C	3/18			19/00			25/00			15/00
904-913	E 04 F	10/00			3/26			21/00			27/00			17/00
			89	D 21 C	3/02			23/00			27/00			19/00
					3/26			25/00	188	D 21 H	11/00			21/00
U.S. Class 162			90	D 21 C	3/02			27/00			13/00			23/00
PAPER MAKING AND FIBER LIBERATION			91	D 01 C		119-122	D 21 F	13/00			15/00			25/00
				D 21 C			D 21 H	11/00			17/00			27/00
			92	D 01 B	1/50			13/00			19/00	267,268	D 21 H	11/00
1	D 01 B			D 01 C	1/00			15/00			21/00			13/00
	D 01 C		93-97	D 01 C	1/00			17/00			23/00			15/00
	D 21 B			D 21 C	5/00			19/00			25/00			17/00
	D 21 C		98	D 01 B				21/00			27/00			19/00
2	D 01 C	3/00		D 01 C	1/02			23/00	189-191	D 21 F	1/66			21/00
3	C 03 B	37/00		D 21 C	5/00			25/00	192	D 21 D				23/00
4	D 21 B	1/08	99	D 01 C	1/00			27/00		D 21 F	1/64			25/00
		1/32		D 21 C	5/00					D 21 J				27/00
	D 21 C	5/02	100	D 21 F		123-138	D 21 J	5/00		D 21 F			D 21 J	1/00
5-8	D 21 C	5/02		D 21 H	23/00		D 21 F	11/00	193	D 21 F	1/36			
9	D 21 C	9/00		D 21 J				13/00	194,195	D 21 F	11/00	269-271	D 21 F	
10,11	D 21 C	9/00	101,102	D 21 H	11/00		D 21 H	11/00		D 21 J	1/02		D 21 H	
	D 21 H	23/00			13/00			13/00	196	D 21 F	7/00		D 21 F	
12	D 21 H	23/00			15/00			17/00			11/00	272,273	D 21 F	
13	D 21 C	3/00			17/00			19/00	197	D 21 F	11/00	274-279	D 21 F	1/32
	D 21 F				19/00			21/00	198	D 21 F	11/00		B 31 F	1/12
14	D 21 C	11/00			21/00			23/00			13/00		D 21 G	
15	D 21 C	11/06			23/00			25/00	199,200	D 21 F	1/32	281,282	B 31 F	1/12
16	D 21 C	11/00			25/00			27/00	201	D 21 F			B 31 F	1/29
17-19	D 21 C	3/26			27/00	139-153	D 21 F	11/00		D 21 H			D 21 G	3/04
20	D 01 B	1/14	103	B 32 B	5/20		D 21 H	11/00		D 21 J		283	B 31 C	11/00
	D 21 C			D 21 H	23/00			13/00	202	D 21 F	11/00		B 65 H	27/00
21,22	D 21 B	1/36	104-109	D 21 H	11/00			15/00	203	D 21 F	11/04		D 21 G	9/00
23	D 21 B	1/12			13/00			17/00			11/08	284,285	B 31 C	1/00
		1/30			15/00			19/00	204-207	D 21 F	11/00			3/00
24,25	D 21 B	1/16			17/00			21/00		D 21 J		286	B 26 D	1/00
26,27	D 21 B	1/04			19/00			23/00	208	D 21 F	11/00			3/00
28	D 21 B	1/04			21/00			25/00		D 21 J	1/00			
	D 21 C	3/26			23/00			27/00	209	D 21 F	1/18		B 26 F	
29	D 21 C	11/00			25/00						11/00	287	B 31 F	1/00
30,1-35	D 21 C	11/12			27/00	154	C 04 B	14/40	210-216	D 21 F	1/00			7/00
		11/14			1/44		D 21 F	11/00			11/00	288	D 21 J	3/00
36	D 21 C	11/02	110	D 21 F	11/00		D 21 H	11/00	217	D 21 F	1/48	289	D 21 F	
		11/12		D 21 H	13/00			13/00			11/00	290	D 21 F	5/00
		11/14			15/00			15/00	218-224	D 21 F	13/00			9/00
37-46	D 21 C				17/00			17/00		D 21 J	3/00	291-304	D 21 F	1/00
47	D 21 C	11/06			19/00			19/00			3/00	305	D 21 F	3/00
48	D 21 C	7/14			21/00			21/00	225	D 21 F	13/00			9/00
49	D 21 C	7/14			23/00			23/00		D 21 J	1/06	306,307	D 21 F	2/00
50	D 21 C	5/00			25/00			25/00	226	D 21 J	1/06	308	D 21 F	5/00
51	D 21 C	11/08			27/00			27/00			3/00		D 21 J	
52	D 21 C	1/10	111-113	B 31 F	1/12	155-157.7	D 21 F	11/00	227	D 21 J	1/04	309-311	D 21 F	
		5/00		D 21 H	11/00		D 21 H	11/00			3/00		D 21 H	11/00
		7/06			13/00			13/00	228,229	D 21 G				13/00
		7/08			15/00			15/00		D 21 J	3/00			15/00
53,54	D 21 C	1/10			17/00			17/00			5/00			17/00
		5/00			19/00			19/00			7/00			19/00
		5/02			21/00			21/00	230	D 21 F	11/00			21/00
		9/08			23/00			23/00	231	D 21 H				23/00
55	D 21 C	9/08			25/00			25/00		D 21 J				25/00
56	D 21 C	5/00			27/00			27/00	232	D 21 F				27/00
		9/00	114	D 21 F	11/00	158	D 21 F	11/00	233-237	D 21 C	7/00	312-314	D 21 F	1/44
57,58	D 21 C	3/22		D 21 H	11/00		D 21 H	11/00		D 21 C	7/12		D 21 H	11/00
		7/00			13/00	159-182		13/00		D 21 C	7/00			13/00
59	D 21 C	7/14			15/00			15/00		D 21 C	7/02			15/00
60	D 21 C	9/02			17/00			17/00		D 21 C	7/00			17/00
61	D 21 C	7/12			19/00			19/00		D 21 C	7/06			19/00
	G 01 N				21/00			21/00		D 21 C	7/08			21/00
	G 05 B				23/00			23/00	248,249	D 21 C	7/14			23/00
														25/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Class 162—Con.			U.S. Class 163			U.S. Class 164			U.S. Class 165		
Subclass	IPC Subclass	Notation	Subclass	IPC Subclass	Notation	Subclass	IPC Subclass	Notation	Subclass	IPC Subclass	Notation
315-317	D 21 J	1/00	71.7.2	B 22 C	9/00	141	B 41 D	3/20	270.1	B 22 D	47/00
318-319	D 21 F	1/04	8	B 22 D	18/06	142	B 41 D	3/24	271	B 22 D	11/00
320	D 21 F	1/60	9-11	B 22 C	9/04	143	B 41 D	3/22	272	B 22 D	45/00
321	D 21 F	1/04	12	B 22 C	7/02	144	B 41 D	3/00	272.284,285	B 22 D	13/00
322	D 21 F	1/60	13	B 22 C	9/12	145	B 41 D	3/00	286,287	B 22 D	17/00
323-333	D 21 F	1/04	14	B 22 C	7/00	146	B 22 D	11/07	288	B 22 D	13/00
334	D 21 F	1/60	15-17	B 22 C	9/00	147-149	B 41 C		289,290	B 22 D	13/12
335	D 21 F	1/04	18	B 22 C	25/00	150-157	B 41 D		291	B 22 D	13/00
336-340	D 21 F	1/04	19-21	B 22 C	15/20		B 22 C		292,293	B 22 C	9/00
341-342	D 21 F	1/60	22	B 22 C	15/22		B 22 D	2/00	294	B 22 D	13/00
343-347	D 21 F	1/04	23.24	B 22 C	1/00		B 22 D	11/16	295	B 22 D	13/10
348,349	D 21 F	1/04	27-29	B 22 C	9/00		B 22 D	13/12	296	B 22 D	13/00
350	D 21 F	1/60	30-32	B 22 C	9/10		B 22 D	17/32	297	B 22 D	13/10
351,352	D 21 F	1/04	33	B 22 C	9/12		B 22 D	18/08	298	B 22 D	13/00
353	D 21 F	1/60	34-36	B 22 C	9/02		B 22 D	46/00	299-301	B 22 D	13/10
354	D 21 F	1/04	37	B 22 C	15/00	158	B 41 C		302	B 22 D	13/00
355-356	D 21 F	1/04	38	B 22 C	15/28		B 41 D		303-305	B 22 D	17/00
357	D 21 F	1/60	39	B 22 C	15/10	159	B 22 C		306-311	B 22 D	17/06
358	D 21 F	1/04	40	B 22 C	15/00	160-1,160.2	B 22 C	9/12	312-315	B 22 D	17/04
359	D 21 F	1/60	44	B 22 C	9/00	161,162	B 22 C	13/02			17/08
360-362	D 21 F	1/04	45	B 22 C	7/00			13/14	316-318	B 22 D	17/04
	D 21 F	1/60	46	B 22 D	23/00	163	B 22 C	13/14	319	B 22 D	17/00
	D 21 F	1/04	47	B 22 D		164	B 22 C	13/04	320	B 22 C	9/00
	D 21 F	1/60	48	B 22 D	27/02	165,166	B 22 C	13/08	321	B 22 D	17/00
	D 21 F	1/04	53	B 22 D	23/00	167,168	B 22 D	47/02	322,323	B 22 C	9/20
	D 21 F	1/60	54	B 23 K	23/00	169	B 22 C	15/00	324-328	B 22 D	5/02
	D 21 F	1/04	55-1-59.1	B 22 D	27/00	170,171	B 22 C	15/08	329-331	B 22 D	5/04
	D 21 F	1/60	61-65	B 22 D	27/15	172	B 22 C	15/08	332-334	B 22 D	17/24
	D 21 F	1/04	66-1,67.1	B 22 D	23/00	173	B 22 C	13/16			19/00
	D 21 F	1/60	68.1	B 22 D	27/00	174	B 22 C	15/20			41/00
	D 21 F	1/04	69.1	B 22 D	29/00	175	B 22 C	13/10	335	B 22 D	41/05
	D 21 F	1/									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 165—Con.														
3	F 24 F	3/14	115,116	A 23 C	3/04	57-62	E 21 B	43/02	245	E 21 B	43/00			33/035
4,5	F 23 L	15/02		F 28 D			E 21 B	36/00			43/30			33/037
	F 28 D	17/00	117	A 23 C	3/04		E 21 F	1/00	246	E 21 B	43/22			33/038
6-9,4	F 23 L	15/02	118	F 28 D	3/02	63,64	E 21 B	3/00	247-249	E 21 B	43/00			33/043
10	F 28 D	17/00		A 23 C	3/04		E 21 B	29/02	250-252	E 21 B	47/00			33/064
		19/00	119	F 28 D	3/00			43/00	253	E 21 B	33/13			33/076
11,1,11.2	F 28 F			F 28 F	13/12	65,1	E 21 B	29/02			47/09			34/04
12	F 28 D		120,121	F 24 H	3/02			43/00	254	E 21 B	47/00			41/04
	F 28 F			F 28 F		66	E 21 B	29/02			47/09			43/01
13	F 28 D		122	F 24 H	3/06	66,4	E 21 B	4/04	255	E 21 B	47/00	367	E 21 B	43/36
	F 28 F	27/00		F 28 F	13/12	66,5	E 21 B		256,257	E 21 B	43/24	368	E 21 B	7/12
14	F 25 B	29/00	123	F 24 F	3/04	67,68	E 21 B	33/03	258	E 21 B	43/14			29/12
	F 28 F			F 28 F	13/12			33/068			43/24			33/035
15	B 64 D	13/04	124-127	F 24 B	1/06			33/072	259	E 21 B	43/24	369-372	E 21 B	43/00
		13/08		F 28 F	13/12			43/00			43/26	373	E 21 B	34/06
16,17	F 25 B	29/00	128	F 24 H	3/00	68,5	E 21 B	43/00	260-262	E 21 B	43/24	374,375	E 21 B	34/10
18	F 24 D	11/00			9/02	69	E 21 B	33/03	263	E 21 B	43/00	376	E 21 B	29/00
19-21	F 24 F	3/14	129	F 24 H	9/02			35/00	264	E 21 B	47/00	377,378	E 21 B	19/00
22	F 24 F	3/00	130	F 24 H	3/00	70	E 21 B	23/08			49/08			23/00
23	B 60 H	1/32		F 28 F	9/26			33/05	265	E 21 B	43/00	379	E 21 B	19/00
24-31	F 25 B	29/00	131	F 24 H	3/00	71-97	E 21 B	33/00			43/34	380	E 21 B	19/16
32-37	G 05 D	23/00	132	F 28 D	1/06			33/03			43/38	381,382	E 21 B	23/00
38	G 05 D	15/00	133	F 28 F	13/18			33/04	266	E 21 B	43/00	383	E 21 B	23/08
39,40	B 60 H	1/00			19/02			33/047			43/34	384,385	E 21 B	19/00
	B 61 D	27/00	134,1	F 28 F	19/00			34/16			43/40	386,387	E 21 B	33/12
41	F 28 F		135,136	F 28 F	13/00			43/10	267	E 21 B	43/00	901	E 21 B	
42-44	B 60 H	3/00	137-139	F 28 F	7/00	97,5	E 21 B	33/047	268,269	E 21 B	43/16	902	E 21 B	41/02
	B 61 D	27/00	140,141	F 28 D	7/10	98	E 21 B	31/00	270	E 21 B	43/22			
45	F 28 D		142	F 28 D	7/12			31/12			43/27			
46	F 28 F	7/00	143,144	F 28 F	9/26			34/00	271	E 21 B	43/26			
47	F 24 H	3/00	145	F 28 F	9/22			34/02	272	E 21 B	43/24			
48,1,48,2	F 25 B	29/00	146	F 28 F	13/00	99	E 21 B	31/08	273-275	E 21 B	43/16			
49	F 24 D	19/02	147	F 28 F	13/08	100,101	E 21 B	33/12	276	E 21 B	43/02			
	F 24 H	9/06	148-150	F 28 D	1/00			49/10	277	E 21 B	29/00			
50	F 24 F	3/00	151	F 28 D	1/04			43/00	278	E 21 B	43/04			
51	F 01 P		152,153	F 28 D	7/10	102-106	E 21 B	27/00	279	A 47 B	43/00			
52	F 02 P		154	F 28 D	7/10	107-111	E 21 B	43/00	280	E 21 B	43/26			
53	F 24 D	5/10	155	F 28 D		112,113	E 21 B	33/12			43/267			
		19/02	156	F 28 D	7/12	114-116	E 21 B	33/13	281	E 21 B	33/13			
	F 24 H	9/06	157	F 28 D	7/10	117	E 21 B	7/06			43/26			
54	F 24 H	3/02	158	F 28 F	9/02	117,5,117,6	E 21 B	23/03	282	E 21 B	43/22			
55	F 24 D	19/02	159-161	F 28 D	7/00			23/12	283	E 21 B	43/26			
		19/06		F 28 F	9/22			31/14	284	E 21 B	33/13			
	F 24 H	9/06	162	F 28 D	7/00	117,7	E 21 B	43/00	285	E 21 B	33/00			
56,57	F 24 H			F 28 F	9/00	118-152	E 21 B	23/00	286-295	E 21 B	33/13			
58	F 25 B	29/00	163	F 28 D	7/02			23/02	296	E 21 B	43/10			
59	F 24 F	7/00	164,165	F 28 F	3/00			23/04	297,298	E 21 B	29/00			
60	F 24 F	3/14	166	F 28 F	3/08			33/12			29/10			
61	F 25 B	29/00	167	F 28 F	3/12			33/13			43/11			
62	F 25 B	13/00	168,169	F 28 F	3/14			49/00	299	E 21 B	29/02			
63-65	F 25 B	29/00	170	F 28 F	3/12	153-156	E 21 B	23/10			43/00			
66	A 23 C	3/02	171	F 28 F	1/32			33/16			43/263			
67,68	F 28 F	9/00	172	F 28 F	1/10			37/04	300	E 21 B	43/27			
69	F 28 F	7/00	173-175	F 28 F	9/02			37/10	301	E 21 B	31/00			
70	F 28 F	11/00	176	F 28 D	7/06	157,158	E 03 B	3/12			41/00			
71	F 16 F	1/34	177	F 28 F	1/00			43/00	302	E 21 B	36/00			
72-75	F 28 D	1/06	178	F 28 F	9/04	162-169	E 21 B	27/00			43/24			
76-83	F 28 F	7/00	179	F 28 F	1/42			33/132	303	E 21 B	36/00			
84	F 28 D	11/06	180	F 28 F	21/00	170-176	E 21 B	37/02			43/20			
	F 28 G	7/00	181	F 28 F	1/20			37/08	304	E 21 B	37/06			
85	F 24 H	3/02	182	F 28 F	1/30			43/25			43/00			
	F 28 F	25/10	183,184	F 28 F	1/14	177	E 21 B	23/00	305,1	E 21 B	43/16			
86	F 28 D	11/00			1/36	178	E 21 B	31/107			43/26			
	F 28 F	5/00	185	F 28 F	7/00			31/113	306,307	E 21 B	43/16			
87	F 28 F	5/06	186					23/00			43/25			
88	F 28 D	11/08				179-203	E 21 B	33/12	308	E 21 B	43/17			
89	F 28 D	11/02						3/18			43/26			
	F 28 F	5/02				205	E 03 B	43/00	309,310	E 21 B	43/00			
90,91	F 28 D	11/02					E 21 B	23/00	311,312	E 21 B	21/00			
92,93	F 28 F					206-208	E 21 B	23/02			37/00			
94	F 28 F	17/00						43/10			37/08			
	F 28 G		50	E 03 B	3/11			40/00	313	E 21 B	43/00			
95	F 28 G		51	E 21 B	43/04	209-211	E 21 B	43/12			43/00			
96	F 28 F	27/00	52-54	E 21 B		212-217	E 21 B	23/00			43/32			
97	F 28 F	27/02	54,1	E 21 B	43/00			23/04	315-334	E 21 B	33/00			
98,99	F 01 P	7/10	54,5,54,6	E 21 B	29/00	222,223	E 21 B	21/00			34/00			
100-103	F 28 F	27/02			29/04			43/00			34/06			
104,11-104,15	F 28 D	15/00			43/00	227-236	E 03 B	3/18			34/08			
104,16	F 28 D	13/00			29/00			43/00			34/10			
104,17-104,34	F 28 D	15/00	55-55,8	E 21 B	29/06	237-240	E 21 B	23/00			34/12			
108	F 28 F	13/06			29/08	241	E 21 B	17/10			43/00			
109,1	F 28 F	13/12			29/10	242	E 21 B	17/14						
110	F 28 B	1/00			43/11	243	E 21 B	43/00	335-366	E 21 B	7/12	54,55	A 62 C	29/00
111-114	F 28 B	3/00	56	E 03 B	3/18	244,1	E 21 B				29/12	56	A 62 C	37/00

U.S. Class 168

FARRIERY

U.S. Class 169

FIRE-EXTINGUISHERS

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U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 173—Con.														
		17/24			9/00			3/04			17/38			27/00
		3/00			9/04			3/28			17/08			37/00
163-167	E 21 B	7/22			9/06	99	H 02 G	3/00	190	H 01 B	17/40	48	C 09 K	7/00
		7/22			11/00			5/04	191-193	H 01 B	17/08		E 21 C	7/06
168,169	B 23 B	45/04	30	H 01 B	17/34	100,101	H 02 G	3/00			17/38	49	E 21 B	7/00
	B 27 C	3/08			17/36	101-5	H 01 B	7/12	194-206	H 01 B	17/40	50	E 21 B	47/00
170	B 23 B	45/00	31,31.5	H 01 B	17/26	102-107	H 01 B	7/18			17/38			47/026
	B 27 C	3/08	32	H 05 K	9/00			9/02	207	H 01 B	17/06			49/00
171	B 23 B	45/00	33,34	H 01 B	11/02	108,109	H 01 B	7/18			17/38	51	E 21 C	1/10
	B 25 D	17/04			11/06			9/02	208	H 01 B	17/24			5/00
	B 27 C	3/08	35	H 05 K	9/00			17/22	209	H 01 B	17/32	52	E 21 B	19/00
			36	H 01 B	7/34	110,111	H 01 B	7/00			17/60			19/14
					11/06	112	H 01 B	7/36	210	H 01 B	17/20	53	E 21 D	1/06
			37-39	H 02 G	9/00	113-117	H 01 B	7/00			17/32			3/00
			40	H 02 G	7/00			11/02	211	H 01 B	17/50	54	E 21 B	7/16
			41	H 02 G	7/06	118-124	H 01 B	7/00			17/52			7/18
			42	H 02 G	7/14	125-1	H 01 B	12/00	212	H 01 B	17/00	55	E 21 B	7/24
			43,44	H 02 G	7/20	126.1-126.3	H 01 B	5/00					E 21 C	3/02
			45	E 04 H	12/24	126.4	H 01 B	5/14				56	E 21 B	7/04
				H 02 G	7/20	127	H 01 B	5/00						7/24
			46	B 25 G	1/00	128.1-129	H 01 B	5/08					E 21 B	7/00
					1/12	130,131	H 01 B	5/10	U.S. Class 175					
					17/56	133	H 01 B	5/02	BORING OR PENETRATING THE EARTH					
2-4	H 01 B	13/00			11/12	135	H 01 B	7/00	1	E 21 B	47/00	57	E 21 B	49/00
5	H 01 B				7/00	136	H 01 B	7/00	2	E 21 B	7/00	58-60	E 21 B	7/04
6,7	H 01 B	4/66	47	H 01 B	17/00	137	H 01 B	17/00	3	E 21 B	25/00	61	E 21 B	10/00
8	H 01 B	3/20			3/04			17/54	3.5	E 21 B	7/00	62	E 21 B	7/00
		9/06	48,49	H 02 G	3/10	138,139	H 01 B	17/00	4	E 21 B	49/02	64	C 09 K	7/00
		15/20			13/00	140	H 01 B	17/42	4.5	E 21 B	7/00	65	C 09 K	7/00
9	H 01 B	17/36	50	H 01 J	5/00	141	H 01 B	17/48			43/116		E 21 B	21/00
					15/00	142	H 01 B	17/26	4.51	E 21 B	43/119	66	C 09 K	7/00
10	H 02 G				3/08	143	H 01 B	17/28	4.52-4.59	E 21 B	7/00		E 21 B	21/06
					5/00	144	H 01 T	4/14			43/116	67	E 21 C	7/00
11	H 02 G	15/28	50.5-50.64	H 01 J	5/00	145	H 01 B	17/00	4.6	E 21 B	7/00		E 21 B	7/18
12	H 02 G	15/26			15/00	146,147	H 01 B	17/00			3/00	68	C 09 K	43/114
13	H 01 B	5/00			5/06		H 02 G	7/12			3/02		E 21 C	7/00
		9/00			5/02	148,149	H 01 B	17/00	5	E 21 B	7/12	69	C 09 K	7/00
		9/06	51	H 05 K	3/08		H 01 B	17/06			15/02		E 21 B	21/14
		11/00	52.1	H 05 K	5/00			17/26	6	E 21 B	7/12	70	C 09 K	7/00
		9/06	52.2	H 01 L	23/28	151-153	H 01 B	17/00			7/124		E 21 C	7/08
14	H 01 B				5/06	154-157	H 01 B	17/14			25/18	71	C 09 K	7/10
					5/06			17/20			15/02		E 21 B	7/00
15.1	H 01 B	9/06	52.3	H 05 K	5/06			17/16	7	E 21 B	7/132	72	C 09 K	7/02
			52.4-52.6	H 01 L	23/02			17/20			15/02		E 21 B	7/00
			53-58	H 01 H	9/02	158,159	H 01 B	17/14	8	E 21 B	7/132		E 21 B	7/08
15.2	H 01 B	7/34			13/04			17/16			15/02	73	E 21 B	7/04
	H 05 K	7/20			19/04			17/20			7/136		E 21 B	7/08
15.3	H 01 B	17/26			21/04			17/24	9	E 21 B	7/136	74	E 21 B	7/10
		17/54			23/04			17/24			15/02		E 21 B	7/08
					13/46	160	H 01 B	17/06	10	E 21 B	7/12		E 21 C	7/06
15.4	H 01 B	15/20	59,60	H 01 R	13/46	161-165	H 01 B	17/16			7/124		E 21 B	7/08
15.5	H 01 B	12/00			3/18	166	H 01 B	17/24	11-15	E 21 B	7/14	75	E 21 B	7/08
			61-64	H 02 B	1/30	167	H 01 B	17/58			37/16		E 21 B	15/04
	H 02 G	15/34			13/00	168-175	H 01 B	17/16			7/00	76	E 21 B	7/08
15.6	H 01 B	7/34	65	H 02 G	3/18			17/18	16	E 21 B	7/15		E 21 B	7/10
		9/06	66,67	H 02 G	3/14			17/22			37/16		E 21 B	7/08
	H 02 G	15/20			5/03	176-179	H 01 B	17/06			7/00		E 21 B	7/06
15.7	H 01 B	7/34	68.1	H 01 B				17/12	17	C 09 K	7/00		E 21 B	7/08
16.1	H 01 B	7/34			5/00			17/38			5/04			7/10
		9/06	68.2	H 02 G	3/04			17/12	18	F 25 C	7/26			17/10
		3/03	68.3	H 02 G	3/28			17/20	19-23	E 21 B	11/02		E 21 C	9/00
	H 05 K	7/20			1/00			17/38			44/00	77	E 21 B	7/04
16.2	H 02 G	5/10	68.5	H 05 K	7/06	181	H 01 B	17/06	24	E 21 B	21/08			7/08
16.3	H 01 L	23/26	69	H 01 B				17/12	25	E 21 B	44/00			15/04
	H 05 K	7/20	70	H 01 B	3/00			17/16			44/00	78	E 21 B	49/02
17	H 05 K	5/00	71,72	H 02 G		182	H 01 B	17/06	26	E 21 B	44/00			7/04
17.05-17.08	H 05 K	5/06			15/064			17/08	27	E 21 B	3/06			7/08
18	H 05 K	5/00			15/103			17/12			19/08			49/02
19,20	H 02 G	15/22	73.1	H 02 G	15/184			17/22			5/00	79-83	E 21 B	7/08
21,22	H 02 G	15/24			15/30			17/38			7/00		E 21 B	41/00
23	H 02 G	15/20			15/02			17/12	38	C 09 K	21/08	84	E 21 B	19/00
24	H 01 B	7/00			15/08	183,184	H 01 B	17/16			44/00	85	E 21 B	19/20
		9/00	74	H 02 G	3/02			17/38			7/00	86	E 21 B	41/00
		11/00	75	H 02 G	15/02			17/06			12/02		E 21 D	1/06
25	H 01 B	7/00	76	H 02 G	15/08			17/12	39	E 21 B	47/00	87	E 21 B	
		7/02			15/02			17/20	40	E 21 B	47/00		E 21 C	
		9/00	77-83	H 02 G	15/08			17/38			47/00	88	E 21 B	41/00
26	H 01 B	7/00			15/08			17/38	41	E 21 B	47/00	89	E 21 B	11/06
		9/00	84-94	H 01 R	4/00	186	H 01 B	17/06	42	C 09 K	7/00	90	E 21 B	10/00
		11/00			3/06			17/12			25/16	91	E 21 B	10/00
27	H 01 B	7/00			15/08			17/22			47/02			11/00
		9/00	95-97	H 02 G	3/04			17/38	44,45	E 21 B	47/02	92-100	E 21 B	4/00
		11/00			3/28	187	H 01 B	17/54			21/00	101-103	E 21 B	4/00
28,29	H 01 B	7/00	98	H 02 G	3/00	188,189	H 01 B	17/08	46	E 21 B				19/22

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 175—Con.			U.S. Class 177			U.S. Class 177			U.S. Class 178			U.S. Class 178		
104-107	E 21 B	4/00	308-312	E 21 B	12/04	WEIGHING SCALES			177	G 01 G	23/30			15/16
108	E 21 B	7/00			27/00				178	G 01 G	23/32			15/18
	E 21 C	1/00	313	E 21 B	31/00				179	G 01 G	21/02			15/24
		3/00			10/00				180	G 01 G	21/28	17.5	H 04 L	13/08
113-121	E 21 B	5/00	314	E 21 B	12/06				181,182	G 01 G	23/18			15/18
	E 21 C	1/10	315	E 21 B	43/34				183	G 01 G	21/02	18-20	G 08 C	21/00
122	E 21 B	1/02			41/00				184	G 01 G	21/10	21	H 04 N	1/024
	E 21 C	3/02	316	E 21 B	11/00				185	G 01 G	23/10	23-25	H 04 L	15/24
		5/00	317,318	E 21 B	17/07				186	G 01 G	23/06			15/34
135	E 21 B	1/00	319	E 21 B	17/16				187-189	G 01 G	21/10			17/16
	E 21 C	3/04	320-322	E 21 B	17/18				190	G 01 G	1/22	26.1	H 03 M	7/00
161	E 21 B	27/00			17/20				191	G 01 G	1/22	27	H 04 L	15/24
162	E 21 B	19/08			17/22				192	G 01 G	1/22			15/34
	E 21 C	1/10			17/00				193	G 01 G	1/22	28.29	H 04 L	17/16
		5/00			17/00				194-197	G 01 G	1/22			15/24
170-173	E 21 B	1/02			17/00				198	G 01 G	21/24	30	G 09 G	1/18
		3/00	323	E 21 B	10/44				199,200	G 01 G	19/00			1/20
		7/20			17/00				201	G 01 G	1/00			1/22
	E 21 C	1/00			17/22						3/00			1/24
		3/00	324	E 21 B	17/00						7/00			15/24
189	E 21 B	1/00			19/00				202	G 01 G	1/18			15/34
		3/00			21/00				203-205	G 01 G	1/34	31-33	H 04 L	17/16
		6/00	325	E 21 B	17/10				206	G 01 G	1/38			15/24
	E 21 C	1/12			9/00				207	G 01 G	5/02			15/34
		3/00	326	E 21 B	17/10				208,209	G 01 G	5/04	34.35	H 04 L	17/16
195	E 21 B	3/04			9/00				210,211	G 01 G	3/14			15/24
		3/06			11/00				212	G 01 G	1/38			15/34
		7/22	327,328	E 21 B	10/00						7/00			17/24
202	E 21 B	23/00			9/00				213-215	G 01 G	7/00	36	H 04 L	15/24
203	E 21 B	3/06			25/04				216	G 01 G	1/02			15/34
		19/08	329,330	E 21 B	10/00				217	G 01 G	1/06	37	H 04 L	17/16
205	C 09 K	7/00			10/02				218	G 01 G	1/10			15/24
	E 21 C	7/08			62-67				219	G 01 G	1/06			15/34
206,207	E 21 B	21/00			68				220-223	G 01 G	1/12	38-42	H 04 L	17/16
		21/06			69,70						23/26			15/24
	E 21 C	7/00	331	E 21 B	10/00				224	G 01 G	1/02			15/34
		7/08			71,72				225	G 01 G	3/00			17/16
208	E 21 C	7/03			73-79				226-228	G 01 G	3/18	43	H 04 B	5/00
209-218	E 21 B	17/18	332	E 21 B	10/00				229	G 01 G	3/08	45	H 01 B	11/14
		21/00			10/06				230	G 01 G	23/26			11/16
		21/10	333	E 21 B	10/00				231	G 01 G	21/28			5/10
		21/12			10/04				232,233	G 01 G	3/02			25/46
	E 21 C	7/00			25/00				234	G 01 G	23/26	46	H 01 F	17/08
219	E 21 B	41/00	334,335	E 21 B	10/28				235	G 01 G	1/28	47,48	H 04 L	5/10
220	E 21 B	15/00	336-343	E 21 B	10/00						1/38			25/46
	E 21 C	9/00			10/14				236	G 01 G	1/18			25/62
		11/00			10/18				237	G 01 G	1/28	49	H 04 L	5/02
226	E 21 B	25/08	344-347	E 21 B	10/30						1/30	62	H 04 L	15/34
		49/02	348-379	E 21 B	10/00				238-244	G 01 G	21/28	63	H 04 L	25/02
227-229	E 21 B	10/24			7/16				245	G 01 G	19/00	64	H 04 B	3/02
230	E 21 B	17/10	380	E 21 B	10/00						23/00	65	H 04 L	25/18
	E 21 C	9/00	381-384	E 21 B	10/26				246	G 01 G	1/18	66,1,66.2	H 04 L	27/00
231	E 21 B	7/08	385,386	E 21 B	10/00				247	G 01 G	1/36	67.1	H 04 L	27/18
		7/08	387	E 21 B	10/00				248	G 01 G	1/26	69	H 04 L	25/02
232-243	E 21 B	10/00	388-392	E 21 B	10/40				249,250	G 01 G	1/36	69.6	H 04 L	12/12
		25/00	393	E 21 B	10/60				251,252	G 01 G	1/18	70-73	H 04 L	25/20
244-255	E 21 B	10/02			17/00				253	G 01 G	21/22			25/52
		25/00			19/00				254	G 01 G	5/04	74-76	H 04 L	15/00
		25/02			21/00				255	G 01 G	21/12	77,78	H 04 L	13/00
		25/04	394	E 21 B	10/44						21/24	79-81	H 04 L	15/04
		25/06	395	E 21 B	10/36						23/06			17/02
		25/10			10/44				256-261	G 01 G	21/08	82	H 04 L	15/08
		25/12	396	E 21 B					262,263	G 01 G	21/22			15/18
		25/14	397	E 21 B	10/42				264	G 01 G				17/12
		49/02	398-401	E 21 B	10/00							83-87	H 04 L	15/08
256	E 21 B	7/08	402	E 21 B	17/14							89-91	H 04 L	15/30
257	E 21 B	10/64	403-405	E 21 B	10/00									17/16
		11/00	406,407	E 21 B	10/26							92	H 04 L	15/32
258-261	E 21 B	10/64	408	E 21 B	17/10									17/20
		10/66			9/00							93-98	H 04 L	15/24
262	E 21 B	10/64	409-413	E 21 B	10/00									17/16
		11/00			10/46							99.1	H 04 L	9/00
263-292	E 21 B	7/28			10/54							100	H 04 L	15/24
		10/32			10/56									17/16
		10/34			10/58									15/24
293-295	E 21 B	4/00			10/62							101-109	H 01 H	21/86
		10/38	414-420	E 21 B	10/36									15/03
296,297	E 21 B	4/14			10/42							110	H 01 H	21/22
		10/38	421	E 21 B	19/10									15/03
298	E 21 B	4/10	423	E 21 B	7/18							111,112	H 04 L	23/00
		10/38	424	E 21 B	41/00							114	H 04 L	13/00
299-306	E 21 B	4/00			43/114							115	G 09 B	19/26
		10/38												
307	E 21 B	10/00												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 178—Con.			68.5	B 60 R	16/04	141-143	B 62 D	5/06	230	B 62 D	61/02	319,320	B 62 D	1/24
			68.6	B 60 K	11/04	144	B 62 D	5/06		B 62 K	11/00		B 62 K	51/00
	H 04 L	15/03	69.1	B 62 D	25/20			7/02		B 62 M	7/00	321-324	B 60 K	26/00
116	H 01 T	9/00	69.2-69.24	B 62 D	25/10	145-148	B 62 D	5/06			9/00		B 62 D	1/22
117	H 04 B	1/16	69.25	B 62 D	25/10	149,150	B 62 D	5/10			11/00	325	B 60 K	26/00
118	H 04 L	13/18			25/13	151	B 62 D	5/06			13/00		B 60 T	7/00
		15/24	69.3	B 60 K	15/00			7/00			15/00		B 62 D	1/22
		17/16	69.4	B 60 K	15/00	152-157	B 62 D	5/06			17/00	326	B 60 K	26/00
		27/00			15/01	158	B 62 D	5/10			19/00		B 62 D	1/02
		27/06			15/03	159-161	B 62 D	5/06			21/00	327,328	B 62 D	33/08
		27/14	69.5	B 60 K	15/10	162	B 62 D	5/10			23/00	329-331	B 60 K	26/00
		27/22	69.6	B 60 K	1/02	163	B 62 D	5/06	231	B 62 D	61/02		B 62 D	1/02
119,120	H 04 L	13/18			5/08	164	B 60 B	39/00		B 62 K	11/00	332	B 62 D	1/14
					6/00		B 60 V	1/00		B 62 M	7/00	333	B 60 K	26/00
					17/00			3/00			9/16	334	B 60 K	26/00
			70.1-72	B 60 K	17/00	165	B 60 K	6/00	232	B 60 K	5/00		B 62 D	1/16
			73.1-73.5	B 60 K	17/00			8/00		B 62 D	27/00	335	B 60 K	13/00
					20/00			25/10		B 60 K	17/34			15/00
			74.75	B 60 K	17/00		B 60 L	11/16	233	B 60 K	17/358	336	B 60 K	17/00
			75.1,75.2	B 60 K	23/00		B 62 M	1/10	234-241	B 60 K	17/356			20/00
2.1	B 60 L	9/00	76	B 60 K	17/16		B 62 B	9/22	242-244	B 60 K	17/354			23/00
	B 60 M		78	B 60 K	23/00	166	B 60 T	7/16	245,246	B 60 K	17/354			
2.2	B 60 K	16/00			26/00	167-169	B 62 D	1/24	247	B 60 K	23/08			
	B 60 L	9/00			26/02		B 60 K	31/00	248	B 60 K	17/344			
					1/00	170	B 60 K	31/18	249	B 60 K	17/35			
					1/16	171	B 60 K	31/12	250	B 60 K	17/352			
6.2	B 62 D	6/00			3/00	172	B 60 K	31/16	251	B 60 K	17/342			
		11/00	79	B 62 D	7/00	173	B 60 K	31/14	252-267	B 60 K	17/30			
6.24-6.4	B 60 K	17/30			9/00	174	B 60 K	31/06	268-270	B 60 R	21/00			
	B 62 D	17/34	79.1	B 62 D	5/04	175	B 60 K	31/10	271	B 60 K	1/28			
		3/00	79.3-79.5	B 62 D	5/02	176	B 60 K	31/08		B 60 K	28/00			
		11/24	84	B 62 D	25/16	177	B 60 K	31/02		B 60 L	3/00			
6.44-6.66	B 62 D	11/00	85,88	B 60 B	35/00	178	B 60 K	31/04		B 60 R	21/00			
		11/02			37/00	179	A 63 C	5/08	272,273	B 60 K	28/00			
6.7	B 62 D	11/02			21/00	180,181		17/12			28/04			
		11/20	89.1	B 62 D	23/00	182	B 62 M	27/02			28/06			
		11/22			31/00			29/00		B 60 L	3/02			
		11/24			33/00	183-185	B 62 B	19/00		B 60 T	7/14	119	G 01 Y	1/04
7.1	B 62 D	57/00			39/00		B 62 M	27/02	274-278	B 60 K	28/10	120	G 01 V	1/04
		57/024	89.11	B 60 M	3/08			29/00		B 60 T	7/12			
		57/028			15/00	186-188	B 62 M	27/02		B 60 K	7/22	121	G 01 Y	1/04
		57/032	89.12	B 62 D	33/06			29/00	279	B 60 K	28/10	122	G 01 V	1/16
		57/036			49/00	189	B 62 M	29/02		B 60 L	3/04	123,124	G 01 S	15/00
7.2-7.5	B 62 D	57/00	89.13	B 62 D	33/06	190-193	B 62 M	27/02	280	B 60 K	28/10	125	G 01 S	3/80
8.1-8.7	B 62 D	51/06			33/063			29/00		B 62 D	1/24			
9-9.25	B 62 D	55/00			33/073	194,195	B 62 M	29/02	281-284	B 60 K	28/12	126	G 10 K	11/00
9.26-9.3	B 62 D	55/04			33/077	196	B 62 M	27/02			28/14		H 04 R	25/00
9.32	B 62 D	55/00			33/08			29/00		B 60 R	21/00	127	G 10 K	11/00
9.34-9.38	B 62 D	55/02	89.14	B 62 D	33/06	197	B 60 K			B 62 D	49/08	128,129	H 04 R	25/00
9.4-9.6	B 62 D	55/00			33/067	198	B 60 P	3/06	285,286	B 60 K	28/00	130	H 04 R	25/02
9.62,9.64	B 62 D	55/12			33/08	199	B 60 S	9/205			28/16	131,132	A 61 B	7/02
10	B 62 D	55/00	89.15,89.16	B 62 D	33/06	200,201	B 60 S	9/21	287-289	B 60 R	25/00	133,134	H 04 R	25/00
11-13	B 62 D				33/08	202	B 60 S	9/215		B 62 H	5/00	135	A 61 B	7/02
	B 62 M	7/14	89.17	B 62 D	25/10	203	B 60 S	9/10	290	B 60 K	28/00	136,137	H 04 R	25/00
14.1-14.7	B 60 D				39/00			9/20			28/08	138	G 08 B	1/00
	B 62 D	53/00	89.18	B 62 D	25/10	204	B 60 S	9/00	291-295	B 60 K	1/00			
		59/04			33/06	205-207	B 62 K	11/00			3/00	139	G 08 B	3/02
15.16	B 62 D				39/00		B 62 M	23/02			5/00	140-142	G 08 B	
19.1-19.3	B 62 D	51/04	89.19	B 62 D	33/06	208	B 62 D	61/00			6/00		G 10 K	7/00
20	B 60 B	19/12	89.2	B 60 K	13/04		B 62 K	15/00			7/00	143	G 10 K	
21	B 62 D	61/00			37/00	209	B 62 D	61/12			8/00	144-156	H 05 K	5/00
22-24.13	B 62 D	61/10			25/14		B 62 K	13/00	296	B 60 K	13/04	157-174	G 10 K	13/00
36-40	B 60 K	3/00	90.6	B 62 D	25/20	210-217	B 62 D	61/06	297	B 60 K	5/04		H 04 R	7/00
41	B 60 G	21/00	116	B 60 V	1/00		B 62 K	5/02	298	B 60 K	5/10		G 10 K	11/00
		23/00			3/00	218	B 62 D	61/00	299,300	B 60 K	1/00	175-197	G 10 K	
		9/02	117-121	B 60 V	1/11	219,220	B 62 D	61/02			3/00	198,199	A 47 B	81/06
53.1-53.5	B 60 K	17/28			1/14		B 62 K	11/00			5/00	200	G 10 K	11/04
		25/00			1/15		B 62 M	7/00			6/00	201	B 41 J	29/08
53.6-53.62	B 60 K	25/08	122	B 60 V	1/20	221,222	B 62 D	61/02			7/00	202	H 02 K	5/24
53.7	B 60 K	25/02	123	B 60 V	1/04		B 62 K	11/00			8/00	203	B 64 F	1/26
53.8	B 60 K	17/28	124	B 60 V	1/06		B 62 M	7/00			5/00	204	F 01 M	
		25/00			1/00			13/00	301	B 60 K	5/00	205	G 10 K	11/00
54.1	B 60 K	8/00	125	B 60 V	1/04	223,224	B 62 D	61/02	302-304	B 60 K	3/00	206	F 01 M	1/06
54.2	B 60 K	6/00	126	B 60 V	1/04		B 62 K	11/00	305-307	B 60 K	17/00	207	F 16 F	7/00
		8/00	127,128	B 60 V	1/16		B 62 M	7/00	308	B 60 K	7/00			15/00
55-63	B 60 K	7/00	129,130	B 62 D	1/02	225	B 62 D	61/02			17/14	208,209	F 16 F	15/00
65.1	B 60 K	1/00	131	B 62 D	1/26		B 62 K	11/08	309	B 60 K	13/04	210	B 64 F	1/26
65.2	B 60 K	1/00			5/00		B 62 M	7/00	310	B 60 K	3/00		E 04 H	17/00
		6/00	132	B 62 D	5/06	226	B 62 D	61/02	311,312	B 62 D	21/00		G 10 K	11/00
65.3	B 60 K	1/00	133	B 62 D	5/00		B 62 K	11/00	313	B 60 K		211	F 01 M	5/00
		16/00	134-139	B 62 D	13/00		B 62 M	7/00		B 60 L				5/02
		8/00			53/00			15/00		B 60 R		212	F 01 N	5/00
65.4-65.8	B 60 K	1/00	140	B 62 D	5/06			17/00	314	B 60 K	15/03		G 01 K	11/00
68.1,68.2	B 60 K	11/00			7/06	227-229	B 62 D	61/02	315,316	B 60 K	26/00	213	F 01 N	
68.3	B 60 K	13/02			7/09		B 62 K	11/00	317,318	B 60 K	26/00		F 02 K	1/00
68.4	B 60 K	11/04			7/15		B 62 M	7/00		B 62 D	51/00	214	B 64 D	33/02

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 181—Con.			3-9	A 47 L	3/04	194,195	E 06 C	1/00			9/06	44	F 16 N	9/04
				A 62 B	1/16	196-199	E 06 C	1/52		F 16 N	7/26	45.1,45.2	F 16 N	11/04
	F 02 K	11/00			35/00			5/26			7/28	46	F 16 N	11/06
215	F 02 K	1/00		A 63 B	29/02	200-205	E 06 C	1/00	11.2	F 01 M	1/00	47	F 16 N	1/00
		1/06		E 06 C	7/18			7/00			9/06			13/02
		1/08	10,11	B 61 B	7/00	206	E 06 C	1/36			11/02	48.1,48.2	F 16 N	11/08
		1/10	12-17	E 04 G	3/16	207	E 06 C	5/04	11.3	F 01 M	1/00	49	F 16 N	7/32
		1/12		E 06 C		208	E 06 C	5/06			9/06			11/10
		1/16	18	E 06 C	5/34			5/16	11.4	F 16 N	7/16			13/16
		1/18			5/44	209-214	E 06 C	7/08	11.5	F 01 M	1/00			15/04
216	F 02 K	1/08	19	C 05 B	11/00	215,216	E 06 C	7/08			9/06			21/00
217,218	B 64 F	1/26	20	E 04 G	1/00	217-219	E 06 C	7/10	12	F 16 N	13/22	50.1-51	F 16 N	11/10
219	F 02 K	1/08	21-26	E 06 C	1/00	220	E 06 C	7/08			25/00			13/16
220	F 01 N	1/14	27	E 04 G	1/00	221	A 63 B	27/00	13.1	F 01 M	1/00			21/00
	F 02 K	1/00	28	A 47 B	37/00	222,223	E 04 G	1/16			9/06	52-54	F 16 N	11/10
		1/28			85/06			5/08			7/26			13/16
		1/38		E 06 C	1/00		E 06 C	7/16			7/28	55.1,55.2	F 16 N	7/30
		1/46	29-32	A 47 B	35/00	224-227	E 04 G	1/32	14	F 01 M	9/12			7/34
221	F 01 N	3/00			85/06	228	E 06 C	7/08			11/00	57	F 16 N	7/34
222	F 01 M	1/24		D 06 F	81/00	229	E 04 G	1/00		F 16 F	1/00	58,59	F 16 N	17/06
223	F 41 A	21/00		E 06 C	1/00			3/00			1/24	60	F 16 N	11/10
224	E 04 F	17/04	33-33.6	A 47 C	13/00	230	E 04 G	1/00		F 16 N	1/00			13/16
225	F 01 N	7/00	34	A 47 C	19/22			5/00			3/00	61	F 16 N	7/14
226	F 01 N	1/08		E 06 C	1/00			7/00			11/04			7/24
227,228	F 01 N	7/08		E 06 C	1/00		E 06 C	1/00			25/00			21/00
229	F 02 M	35/00	35	E 04 G	3/14			1/08	14.1	F 01 M	9/00	62	F 16 N	7/14
230	B 21 J		36-39	E 04 G	1/56	231,232	A 62 B	1/08	15.1-15.3	F 16 N	7/16	63	F 16 N	25/04
	F 01 N		40,41	E 06 C	9/14	233	A 62 B	1/12			7/24	64	F 16 N	7/12
231	F 01 N	3/02	42-44	B 65 G	15/00	234	A 62 B	1/10			13/22	65	F 01 M	9/06
		3/06			17/00		B 66 D	5/04	16	F 16 N	7/12			9/08
232	F 01 N	7/02		B 66 B	9/08	235	A 62 B	1/10			7/24		F 16 N	7/02
233	F 16 K	47/02	45	E 04 G	1/36	236,237	A 62 B	1/08	17	F 16 N	7/24			11/06
	F 16 L	55/02			3/12	238	A 62 B	1/12			25/04	66,67	F 16 N	29/00
234	E 03 D	1/30	46,47	A 62 B	3/00	239	A 62 B	1/10	18	F 16 N	1/00	68,69	F 16 N	27/00
		1/32		E 06 C	7/00		B 66 D	5/04	19	F 16 N	7/12			29/00
		9/14	48,49	A 62 B	1/20	240	A 62 B	1/10	20	F 16 N	13/20	70	F 16 N	29/00
235	F 01 N	7/12	50	A 62 B	1/18	241	A 62 B	1/08			25/04	71	F 16 N	11/08
236	F 01 N			F 42 B	12/68				21	F 16 N	7/16			13/10
237	F 01 N		51,52	A 62 C	31/24				22	F 16 N	7/12			25/04
	F 16 K	17/00	53-62	A 47 L	3/02	U.S. Class 184			23	F 16 N	13/20			29/00
238,239	F 01 N	7/00		E 04 G	3/00	LUBRICATION					25/04	72	F 16 N	11/10
240	F 01 N	7/10		E 04 G	1/22	1.5	F 16 C	3/14	24	F 16 N	1/00			13/16
241	F 01 N	7/18	62.5	E 06 C	1/12	2	F 16 N	33/00	25	F 16 N	7/12			25/04
242	F 01 N	7/00		E 06 C	1/00	3,1,3.2	B 61 K	3/00	26	F 01 M	1/00			29/00
243	F 01 N	7/18	63-69	E 06 C	1/00	4	F 16 N	1/00		F 16 N	7/36	73	F 16 N	9/04
244-246	F 01 N	7/16			5/04	5	F 16 C	17/00			7/38			25/04
247	F 01 N	1/00			7/02			21/00			13/10			29/00
248	F 01 N	7/08	70-76	A 62 B	1/06			43/00	27.1-27.4	F 16 N	7/14	74	F 16 N	11/08
249-251	F 01 N	1/02	77-81	E 06 C	9/00	6.1	F 01 M	9/00			7/36			13/10
252	F 01 N	1/10	82-100	E 04 G	3/00	6.11-6.15	F 01 M	1/00			13/10			29/00
253-255	F 01 N	1/00		E 06 C	7/16	6.16,6.17	F 01 M	1/00			3/12	75	F 16 N	29/00
256-258	F 01 N	1/24	101-103	E 06 C	1/18	6.18,6.19	F 01 M	3/00	28	F 16 N	13/08	76	F 16 N	11/10
259-263	F 01 N	1/14	104,105	E 06 C	1/32	6.2	F 01 M	5/00	29	F 16 N	11/10			13/16
264-270	F 01 N	1/08			7/18	6.21	F 01 M	11/08	30	F 16 N	9/04			29/00
271	F 01 N	1/16	106	E 06 C	7/42	6.22	F 01 M	1/10	31	F 16 N	13/20	77	F 16 N	11/12
272-276	F 01 N	1/08	107-111	E 04 G	3/02	6.23	F 01 M	1/00			25/04			29/00
277,278	F 01 N	1/16		A 47 L	1/16	6.24,6.25	F 01 M	1/10	32	F 16 N	9/04	78	F 16 N	9/04
279,280	F 01 N	1/12	112,113	E 04 G	5/00	6.26	F 01 M	1/00	33	F 16 N	13/20	79	F 16 N	25/02
281	F 01 N	1/00			1/00	6.27,6.28	F 01 M	11/00	34	F 16 N	9/04	80	F 16 N	29/00
282	F 01 N	7/18		E 04 G	1/36	6.4	F 01 M	1/18			13/02	81	F 01 M	9/06
283	F 01 P	1/08	114	E 04 G	1/00			11/10	35	F 16 N	25/02			9/08
284	E 04 B	1/82	115-126	E 06 C	3/00			25/00			13/20			7/02
		9/00	127	E 06 C	1/00			27/00			25/04			11/06
		1/00	128	E 04 G	1/34			29/00			7/36	82	F 16 N	23/00
285	E 04 B	9/00	129	E 04 G	1/00			11/10	36	F 16 N	7/14	83	F 16 N	27/00
		1/82			3/00			1/04	37	F 16 N	7/36	84	F 16 N	11/00
286	E 04 B	1/343		E 06 C	1/00			1/00			11/08	85	F 16 N	17/06
287	E 04 B	1/82	130-132	E 04 G	1/00			1/00			13/10	86,87	F 16 N	23/00
288	E 04 B	9/00			7/00			1/00	38.1-38.4	F 16 N	3/12	88,1,88.2	F 16 N	11/00
289	E 04 B	1/82			3/00			1/00			13/08			13/22
290	E 04 B	2/02			7/00			1/06	39	F 16 N	5/00			19/00
291-293	E 04 B	1/82	133-136	A 63 B	27/00			1/00			11/10	89,90	F 16 N	11/00
294	E 04 B	1/84	137-140	A 62 B	1/22			1/00			13/16	91	F 16 N	11/04
295	E 04 B	1/82	141-149	E 04 G	1/18			1/00			1/08	92	F 16 N	11/00
296	F 01 N				3/10			1/00			7/14	93	F 16 N	11/04
	G 01 K				3/10			1/00			7/36	94	F 16 N	11/00
			150	E 04 G	1/34			1/00			11/10	95	F 16 N	11/04
			151	E 04 G	1/34			1/00			13/16	96	F 16 N	3/00
			152	E 04 G	1/34			1/00			11/08			7/00
				E 06 C	1/00			1/00			11/10			9/00
			153-155	E 04 G	1/34			1/00			13/16			11/00
			156-177	E 06 C	1/00			1/00			13/16			11/00
			178	E 04 G	7/00			1/00			7/36			3/00
			179	E 04 G	1/00			1/00	41,42	F 16 N	11/08			7/00
			180	E 06 C	1/14			1/00			11/10			9/00
1	E 06 C	1/38	181-186	E 04 G	1/00			1/00			13/16			11/00
		7/08			3/00			1/00			7/36	97	F 16 N	21/00
2	E 04 G	1/00	187,188	E 04 G	3/00			1/00	43	F 16 N	11/12	98	F 16 N	15/00
		3/00	189-193	A 62 B	1/20			1/00						

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 184—Con.			3.1	B 66 B	1/16	24 13	B 62 L	1/06	177	B 60 T	8/24	11.12	A 45 F	3/00			
		39/00	4-8	B 66 B	9/00	24 14	B 62 L	1/06	178.179	B 60 T	13/04		A 47 B	3/10			
99	F 16 N	15/00	8.41-8 77	B 60 S	13/00	24 15	B 62 L	5/20	180-182	B 60 T	8/72	13-15	A 47 B	61/06			
100	F 16 N	1/00		B 66 F	7/00	24 16	B 62 L	5/20	184-189	B 60 T		15 1	A 45 C	13/38			
101	F 16 N	7/24	9-11	B 66 B	9/20			1/06	190-194	B 60 T	8/24		A 45 F	5/00			
		25/04	12-14	B 66 B	9/06	24 17	B 62 L	3/00	195	B 60 T	8/13	16.17	A 45 C	3/00			
102	F 16 N	7/12	15	B 66 B	17/12	24 18	B 62 L	5/00	196	F 16 D	65/38			5/00			
103.1,103.2	F 01 M	11/12	16	B 66 B	9/00			3/00	197-201	F 16 D	65/52			13/00			
104.1-104.3	F 01 M	5/00	17-27	B 66 B	11/04	24 19	B 62 L	1/06	202.203	F 16 D	65/56	18	A 45 C	5/00			
	F 01 P	11/08	28.29 1	B 66 B	1/00	24 21,24 22	B 62 L	3/00	204-217	F 16 D	65/14			13/00			
	F 16 N	7/08	29 2	B 66 B	1/00	25	B 62 L	5/10	218	F 16 D	65/10		A 45 F	3/44			
		17/02			1/04	26.27	B 62 L	5/00	219.1-233 7	B 61 H	13/26	19	A 45 C	5/00			
		17/04	30-50	B 66 B	1/00	28-31	B 60 T	1/00	234-243	F 16 D	65/04	20	A 45 C	5/08			
		39/02	51-61	B 66 B	13/00	32	B 60 T	3/00	250-262	F 16 D	65/00	21.22	A 45 C	7/00			
		39/04	62-66	B 66 B	13/24	33-37	B 61 H	13/00	264	F 16 D	65/78	23	A 45 C	5/00			
105.1-105.3	F 01 M	11/04	67	B 66 B	5/28	38-40	B 61 H	7/00	265	F 16 D	69/00	24	A 45 C	5/12			
	F 16 N	21/00	68-72	B 66 B	5/00			13/00	266	F 16 D	57/00			13/00			
106	F 16 N	31/00	73-93	B 66 B	5/16	41.42	B 61 H	7/00	267	F 16 F	9/12	25	A 45 C	13/36			
107,108	F 01 M	1/18	94	B 66 B	17/12	43-45	B 61 H	7/12	268	F 16 F	15/03	26.27	A 45 C	13/30			
		11/06	95	B 66 B	7/02	46-59	B 61 H	13/00	269	F 16 F	9/30	28	A 45 C	5/00			
		11/10	96	B 66 B	15/00	60	B 61 K	7/20	270	B 60 T	9/06	29-36	A 45 C	5/12			
		1/00	97	B 66 B	17/22	61	B 61 H	13/00	271	F 16 F	11/00	37	A 45 C	13/36			
109	F 01 M	3/00	98	B 66 B	5/00	62	B 61 K	7/02	272	F 16 D	57/00	39	A 45 C	13/26			
		5/00	100	B 66 B	1/00	63	B 61 H	13/00	273	F 02 D	9/06	40	A 45 C	5/02			
		7/00	101	G 05 B	15/00	64	B 65 H	59/00	274	F 16 F	9/42	100	A 45 C	3/00			
		9/00	102	G 05 F	11/16	65 1-65 3	B 65 H	59/16	275</								

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 191—Con.			0.094	F 16 D	23/00			41/06	61	F 16 D	31/04			47/02
					47/00			43/00	62-64	F 16 D	23/00			69/00
56	B 60 L	5/06			67/02	39	F 16 D	11/06	65	F 16 D	11/00	107-112	F 16 D	11/00
57,58	B 60 L	5/36	0.096,0.098	B 60 K	41/00			13/04			13/22			13/60
59	B 60 L	5/06			41/02			23/00	66	F 16 D	11/04	113	F 16 D	13/72
		5/08		F 16 D	23/00			43/00			13/22			13/74
59.1	B 60 L	5/06			47/00	40	F 16 D	13/04	67	F 16 D	11/04			13/60
		5/08	1.1	B 60 K	41/20			27/00			13/22	114	F 16 D	13/68
		5/20	1.2-1.24	B 60 K	41/20			37/02	70	F 16 D	11/06	115	F 16 D	63/00
60-60.5	B 60 L	5/06		H 02 P	5/04			43/00			13/22	116.5	F 16 D	67/00
		5/08			7/04	41	F 16 D	11/06	70.11	F 16 D	11/04		F 16 P	3/00
61	B 60 L	5/06	1.25	B 60 K	41/20			13/04		F 16 D	13/72	125-128	F 16 D	71/00
62	B 60 L	5/02		F 02 D	9/06			23/00	70.12	F 16 D	13/74			3/06
63-63.5	B 60 L	5/06	1.26-1.42	B 60 K	41/20			43/00			13/00	129-131	F 16 P	7/00
64	B 60 L	5/12	1.43	B 60 K	41/20	42	F 16 D	13/04	70.13,70.14	F 16 D	13/24			9/00
65	B 60 L	5/12		F 02 D	9/06			23/00	70.15	F 16 D	13/66			67/00
		5/22	1.44-1.64	F 02 D	9/06			43/00			13/58			71/00
66-70	B 60 L	5/12	3.21	F 16 D	33/00	43	F 16 D	11/06	70.16	F 16 D	13/68			7/00
		5/16			35/00			13/04	70.17	F 16 D	13/18	132-135	F 16 D	9/00
71	B 60 L	5/00			37/00			23/00	70.18	F 16 D	13/52			67/00
72-84	B 60 L	5/10	3.22	F 16 D	33/04			41/10	70.19,70.2	F 16 D	13/54			71/00
85-94	B 60 L	5/00			35/00			43/00	70.21	F 16 D	13/04			3/08
		5/14	3.23-3.34	F 16 D	33/00	43.1,43.2	F 16 D	13/04	70.22	F 16 D	13/42			7/00
95	B 60 L	5/00			35/00			23/00	70.23,70.24	F 16 D	13/54	136,137	F 16 D	67/00
			3.51-3.63	B 60 K	41/22			43/00	70.25,70.26	F 16 D	13/50			71/00
U.S. Class 192			4-6	B 60 K	41/26	44	F 16 D	11/06	70.27,70.28	F 16 D	11/06			3/00
CLUTCHES AND POWER-STOP CONTROL				F 16 D	41/24			13/04	70.29,70.3	F 16 D	13/38	138-150	F 16 D	11/04
					67/00			15/00			13/48			13/22
0.02,0.03	F 16 D	23/00		F 16 H	57/10			43/00	71	F 16 D	11/06			13/54
		43/00		F 16 D	67/00			3/34	72,73	F 16 D	11/06			67/00
		47/00		F 16 H	57/10	45	F 16 D	11/06			13/14			71/00
0.032-0.034	F 16 D	23/00	10,11	F 16 D	13/76			13/04			13/20		F 16 P	3/00
		43/22			67/00			15/00	74-76	F 16 D	11/06			
		47/00		F 16 H	57/10			23/00			13/14			
0.04	B 60 K	41/28	12,13	B 60 K	41/24			41/06	77,78	F 16 D	11/06			
	F 16 D	21/04		F 16 D	67/02			43/00			13/14			
		23/00	14	F 16 D	13/76			15/00			13/16			
		47/00			67/02	45.1	F 16 D	23/00	79-81	F 16 D	11/06			
0.042-0.046	F 16 D	21/04	15	F 16 D	67/02			41/06	82	F 16 D	11/00			
		23/00	16	F 16 D	13/76			43/00			19/00			
		47/00			67/02	45.2	F 16 D	13/00	83	F 16 D	19/00	1-7	B 65 G	11/00
0.048	F 16 D	23/00	17	F 16 D	67/02			23/00			21/00	8	B 65 G	11/04
		47/00	18	F 16 D	11/06			43/00	84	F 16 D	12/13	9-11	B 65 G	11/00
0.049	F 16 D	23/00			13/22	46	F 16 D	11/00			27/00	12,13	B 65 G	11/06
		47/00			67/02			13/00			37/02	14-24	B 65 G	11/00
		65/02	19	F 16 D	67/02			19/00	85	F 16 D	27-29	25	B 65 G	11/10
		67/02	20	F 16 D	21/04			23/00			25/00	27-29	B 65 G	11/00
0.052	F 16 D	21/04	21	F 16 D	11/06			43/00	86	F 16 D	19/00	30	B 65 G	11/14
		47/00			21/04			13/04			21/00	31,32	B 65 G	11/20
0.055,0.058	F 16 D	23/00	21.5	F 16 D	27/00	47	F 16 D	23/00			33,34	33,34	B 65 G	11/16
		47/00	22,23	F 16 D	1/00			43/00	87.1	F 16 D	25/00	35-37	B 65 G	13/00
		67/02			37/02			21/00			21/08	38-41	B 65 G	11/00
0.062	F 16 D	21/04	24	F 16 D	11/06	48.1	F 16 D	39/00			25/10	42	B 65 G	13/00
		23/00	25	F 16 D	3/44			43/00	87.11	F 16 D	21/08	44-48	B 65 G	47/24
		47/00	26	F 16 D	11/06			27/08			25/00			
0.07	F 16 D	23/00	27	F 16 D	3/34	48.2	F 16 D	47/00			19/00			
		47/00			15/00	48.3,48.4	F 16 D	47/02	87.12	F 16 D	21/08			
0.072	F 16 D	21/04	28	F 16 D	11/00			47/04			23/10			
		23/00	29	F 16 D	11/06	48.5	F 16 D	21/08			25/00			
		47/00	30	F 16 D	11/00	48.6	F 16 D	21/02			19/00			
		65/02			23/00	48.7	F 16 D	41/04	87.13-87.19	F 16 D	21/08			
		67/02	31	F 16 D	13/04	48.8-48.91	F 16 D	21/08			25/00			
0.073	F 16 D	21/04			23/00	48.92	F 16 D	39/00			25/00	200	G 07 C	3/00
		23/00			31/00	49	F 16 D	21/08			25/00		G 07 F	3/00
		47/00			41/00			21/08	88	F 16 D	19/00			9/02
0.075	F 16 D	23/00			43/00	50	F 16 D	39/00			23/00	201	G 07 F	3/00
		47/00			13/04			41/00			13/44	202	G 07 G	3/00
0.076	F 16 D	23/00	32-35	F 16 D	23/00	51	F 16 D	11/06	89,90	F 16 D	19/00	203,204	G 07 F	3/00
		23/10			41/00			11/06			21/00	205	G 07 F	7/00
		47/00			43/00	52	F 16 D	13/00			23/00	206	G 07 F	7/04
0.077	F 16 D	23/00	36	F 16 D	13/04	53	F 16 D	7/00	91	F 16 D	13/44	207	G 06 K	7/00
		47/00			23/00			23/00			19/00			9/00
0.08	F 16 D	21/04			43/00	54,55	F 16 D	43/20			21/00			7/00
		23/00			67/02			7/02			25/00			7/04
		47/00			11/06	56	F 16 D	23/00	92-102	F 16 D	21/00	208,209	G 07 F	7/00
0.082	F 16 D	23/00	37	F 16 D	13/04			43/20			23/00	210	G 07 F	7/02
		47/00			15/00			25/00			21/00			7/10
		67/02			23/00	57	F 16 D	31/00			23/00	211-213	G 07 F	7/00
0.084	F 16 D	23/00			43/00			31/00	103	F 16 D	23/10	214	G 05 G	1/00
		47/00			3/34	58	F 16 D	31/00			43/06		G 07 F	1/06
0.09,0.092	F 16 D	21/04	38	F 16 D	11/06	59	F 16 D	25/06	104-106	F 16 D	23/10	215	G 06 M	1/00
		23/00			13/04			31/02			43/24			3/00
		47/00			23/00	60	F 16 D	31/02	106.1,106.2	F 16 D	3/14		G 07 F	9/08

U.S. Class 193

CONVEYERS, CHUTES, SKIDS, GUIDES AND WAYS

1-7	B 65 G	11/00
8	B 65 G	11/04
9-11	B 65 G	11/00
12,13	B 65 G	11/06
14-24	B 65 G	11/00
25	B 65 G	11/10
27-29	B 65 G	11/00
30	B 65 G	11/14
31,32	B 65 G	11/20
33,34	B 65 G	11/16
35-37	B 65 G	13/00
38-41	B 65 G	11/00
42	B 65 G	13/00
44-48	B 65 G	47/24

U.S. Class 194

CHECK-ACTUATED CONTROL MECHANISMS

200	G 07 C	3/00
	G 07 F	3/00
		9/02
201	G 07 F	3/00
202	G 07 F	3/00
	G 07 G	3/00
203,204	G 07 F	3/00
205	G 07 F	7/00
206	G 07 F	7/04
207	G 06 K	7/00
		9/00
	G 07 D	7/00
	G 07 F	7/04
208,209	G 07 F	7/00
210	G 07 F	7/02
		7/10
211-213	G 07 F	7/00
214	G 05 G	1/00
	G 07 F	1/06
215	G 06 M	1/00
		3/00
	G 07 F	9/08

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 194—Con.			112	B 01 D	1/00	322,323	B 65 G	15/00	379	B 65 G	47/84	445	B 65 G	47/12
216-218	G 06 F	7/00			3/08			17/00			47/24			47/26
		9/00		C 10 G	7/00			43/00			47/244			47/68
		15/20	114	B 01 D	3/10			25/00			47/248	446	B 65 G	27/00
		9/08		C 10 G	7/00	324,325	B 65 G	15/00			47/252			47/12
219-224	G 07 F	1/27	115	B 01 D	1/00			17/00			47/86			47/26
	G 06 M	9/08			3/00			47/66	380,381	B 65 G	47/24			47/68
	G 07 F	9/08		C 10 G	7/00			29/08	382	B 65 G	47/24	447,448	B 65 G	47/12
225,226	G 06 M	1/28	116-121	C 10 G	1/02	326-328	B 66 B	21/00			47/244			47/26
		3/00			7/00			21/02			47/248			47/68
	G 07 F	9/08	122	C 10 G	7/00	329	B 65 G	23/24			47/252	449	B 65 G	47/12
227	G 06 M	1/28			9/12			23/16	383	B 65 G	47/24			47/26
		3/10	123-125	B 01 D	3/00	330	B 66 B	21/00	384-387	B 65 G	17/32			47/68
	G 07 F	9/08		C 10 G	7/00			23/02			29/00			47/84
228	G 06 M	1/28	126,127	B 01 D	3/08	331	B 66 B	21/00			47/24			47/91
		3/00		C 10 G	7/00			23/06			47/84		B 65 G	29/00
	G 07 F	9/08	128	B 01 D	3/28	332,333	B 66 B	23/12	388	B 65 G	47/24			47/12
229-238	G 07 F	5/02		C 10 G	7/00	334	B 65 G	23/00	389,390	B 65 G	47/24			47/26
		5/10	129-131	B 01 D	1/00			21/12			47/44			47/68
239-301	G 07 F	5/00			3/00			23/26	391	B 65 G	27/00			47/84
		11/00		C 10 G	7/00	335-338	B 65 G	15/00			47/24	451,452	B 65 G	47/12
		13/00	132	B 01 D	3/42			17/00	392	B 65 G	29/00			47/26
		15/00		C 10 G	7/00			23/22			47/24			47/68
		17/00	133-137	B 01 D	1/00			23/24	393	B 65 G	17/32	453-455	B 65 G	47/12
302	G 07 F	3/02			3/00	339.1	B 21 B	39/00			29/00			47/26
303-327	G 07 D	5/08		C 10 G	7/00			13/00			47/14	456-459	B 65 G	47/26
	G 07 F	3/02	138-140	B 01 D	3/00			47/04			47/84	460	B 65 G	43/00
328	G 07 D	5/00			5/00			5/22	394	B 65 G	47/24			47/26
	G 07 F	3/02		C 10 G	7/00			7/00	395	B 65 G	43/08	461,462	B 65 G	47/31
329	G 07 D	5/10	141	B 01 D	3/42			25/00			47/24	463 1	B 65 G	29/00
	G 07 F	3/02			5/00			47/00	396	B 65 G	47/14			37/00
330-333	G 07 D	5/00		C 10 G	7/00	340,341	B 65 G	43/00			47/24	463 2	B 65 G	37/00
	G 07 F	3/02	155	B 01 D	5/02	343,344	B 65 G	15/00	397	B 65 G	17/32			43/00
334-338	G 07 D	5/02		C 10 G	7/00			17/00			29/00	463 3	B 65 G	37/00
	G 07 F	3/02						47/00			47/24			47/34
339-341	G 07 D	5/04				345	B 65 G	15/64			47/84	463 4	B 65 G	47/84
	G 07 F	3/02	U.S. Class 198					21/20	398-400	B 65 G	47/24			29/00
342	G 07 F	9/00	CONVEYERS, POWER-DRIVEN					47/00	401	B 65 G	43/08			37/00
343	G 07 F	1/00				346	B 65 G	47/00			47/24			43/00
344-349	G 07 F	1/04				346 1-346 3	B 65 G	37/00	402,403	B 65 G	47/24			47/02
350	G 07 F	9/10	300	B 65 G	41/00			43/00	404	B 65 G	15/00	463 5	B 65 G	25/00
351	G 07 F	1/00			65/02			43/08			17/00			37/00
352	G 07 F	9/10	301	B 65 G	41/00			49/02			29/00			47/04
353	G 07 F				43/00	347	B 65 G	1/00			47/24			47/34
900	G 07 B	15/04			65/02			37/00	405	B 65 G	15/00			47/46
	G 07 F	17/24			41/00	348-355	B 65 G	37/00			17/00	463 6	B 65 G	37/00
901,902	G 07 B	15/00	302-306	B 65 G	41/00			47/10			47/24			43/00
903	G 07 C	9/02			65/02			47/46	406,407	B 65 G	47/24			47/84
	G 07 F	17/14	307.1	B 65 G	17/36			37/00	408	B 65 G	15/00			47/86
904	G 07 F	17/00			65/02	356	B 65 G	43/00			17/00	464 1	B 65 G	37/00
		17/06			65/04			43/08			29/00			43/00
		17/10	308.1	B 65 G	65/14			47/10			47/24			43/08
		17/20			41/00			47/46	409	B 65 G	25/00	464 2	B 65 G	29/00
905	G 07 F	7/00	309,310	B 65 G	65/02	357	B 65 G	37/00			47/24			37/00
	G 07 G	5/00			41/00			43/00	410-413	B 65 G	47/24			43/00
			311	B 65 G	47/18			47/10			29/00			43/08
					47/44			47/46			47/24			47/84
					65/02	358	B 65 G	37/00	415,416	B 65 G	47/24	464 3	B 65 G	37/00
U.S. Class 196			312	B 65 G	21/10			43/00	417	B 65 G	47/24			43/00
MINERAL OILS: APPARATUS					41/00			43/08			47/44			43/08
14 5	C 10 G	73/00			65/02			47/10	418	B 65 G	47/26	464 4	B 65 G	25/00
14 52	B 01 D	11/00	313	B 65 G	15/26			47/46	418 1,418 2	B 65 G	47/30			29/00
	C 10 C	1/18			17/28	359,360	B 65 G	37/00			47/30			37/00
		3/08			21/14			47/10	418 3,418 4	B 65 G	57/00			43/00
		21/00			41/00			47/44			47/30	465 1	B 65 G	29/00
46,46 1	C 10 C	1/20			65/02			47/46	418 5,418 6	B 65 G	47/26			37/00
	C 10 G	17/00	314	B 65 G	21/10	361	B 65 G	13/00	418 7-428	B 65 G	25/00			47/84
		19/00			37/00			37/00	429,430	B 65 G	47/26			49/00
		21/00			41/00			47/10			47/28	465 2	B 65 G	25/00
		33/00	315	B 65 G	65/02	362-372	B 65 G	37/00	431-434	B 65 G	47/26			29/00
98-105	B 01 D	1/00			21/10			47/10	435,436	B 65 G	47/26			37/00
		3/00			65/02			47/46			47/68			47/84
	C 10 C	1/04	316.1	B 65 G	21/00	373	B 65 G	47/24	437	B 65 G	43/00	465 3	B 65 G	37/00
		3/06			41/00			47/256	438,439	B 65 G	47/26			47/04
	C 10 G	1/02			65/02	374,375	B 65 G	47/24	440	B 65 G	47/26			47/34
		7/00	317-320	B 65 G	21/10	376	B 65 G	43/08			47/84	465 4	B 65 G	47/84
		9/08			41/00			47/24	441	B 65 G	29/00			29/00
106	B 01 D	1/26			65/02	377	B 65 G	17/32			47/26			43/08
		3/02	321	B 65 G	15/00			29/00			47/84			47/34
	C 10 G	7/00			17/00			47/24	442	B 65 G	47/26			47/84
107-111	B 01 D	1/00			21/00	378	B 65 G	47/84	443	B 65 G	47/12	466.1	B 65 G	29/00
		3/04			23/00			17/32			47/26			37/00
	C 10 G	1/02			25/00			23/38	444	B 65 G	43/00			47/84
		7/00			29/00			29/00			47/00	467.1	B 65 G	33/02
		9/18			31/00			47/24			47/26			37/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 198—Con.														
468.01	B 65 G	25/00	484.1	B 65 G	47/84	539	B 65 G	13/00	582	B 65 G	37/00			17/00
		29/00			15/44	540-543	B 65 G	47/04			47/18	644	B 65 G	49/00
		37/00			37/00			47/18	583	B 65 G	21/06	657	B 65 G	33/00
468.1	B 65 G	29/00			47/04	544	B 65 G	15/00			37/00	658	B 65 G	33/12
		37/00			47/34			17/00			41/00	659-662	B 65 G	33/26
		47/84			47/84			19/00	584	B 65 G	21/06	663	B 65 G	33/06
468.11	B 65 G	29/00	485.1,486.1	B 65 G	29/00			47/04			21/10	664,665	B 65 G	33/30
		37/00			37/00			47/18			37/00	666-668	B 65 G	33/32
		47/38			47/84	545	B 65 G	33/00			41/00	669	B 65 G	33/26
		47/84	487.1	B 65 G	29/00			47/04	585	B 65 G	37/00	670,671	B 65 G	33/00
468.11	B 65 G	29/00			37/00			47/18	586,587	B 65 G	21/10	672,673	B 65 G	33/32
		37/00			47/84	546	B 65 G	47/04			37/00	674,675	B 65 G	33/34
		47/04	493	B 65 G	47/22			47/18	588	B 65 G	15/26	676,677	B 65 G	33/26
		47/34	494	B 65 G	45/00			47/44			17/28	678	B 65 G	17/32
		47/84			45/10			15/00			21/10	679	B 65 G	15/58
468.2	B 65 G	47/00			45/20	547	B 65 G	17/00			21/14			17/46
	B 65 G	25/00			45/24			19/00			37/00			39/08
		37/00			45/26			47/04	589	B 65 G	21/10			47/92
		47/34	495	B 65 G	45/00			47/18			37/00	680-687	B 65 G	17/32
		47/86			45/22			33/00	590	B 65 G	21/10	688 1	B 65 G	13/02
468.3	B 65 G	47/00	496	B 65 G	45/00	548	B 65 G	47/04			37/00			15/42
	B 65 G	25/00			45/18			47/18			41/00			17/46
		37/00	497	B 65 G	45/00			17/36	591	B 65 G	21/10			25/00
468.4	B 65 G	47/00			45/12	549	B 65 G	47/04			21/20			29/00
	B 65 G	29/00	498	B 65 G	45/00			47/18			37/00	689 1	B 65 G	13/02
		37/00			45/14			17/36	592,593	B 65 G	21/10			15/42
		47/34	499	B 65 G	45/00	550.01	B 65 G	33/00			37/00			17/46
468.5	B 65 G	15/58			45/16			47/18	594	B 65 G	15/26			25/00
		37/00	500	B 65 G	45/02			47/44			17/28			29/00
		47/04			45/08			65/04			21/10			47/92
		47/34	501	B 65 G	39/00			65/34			21/14	690 1	B 65 G	15/58
		47/84			45/02	550.1	B 65 G	21/00			37/00			17/46
468.6	B 65 G	15/58			45/04			41/00	595,596	B 65 G	21/10			21/00
		17/12	502.1-502.4	B 65 G	43/00			65/34			27/34			39/08
		37/00			47/00	550.11	B 65 G	47/00	597,598	B 65 G	37/00			41/00
		43/08	503	G 06 M	7/00			47/40			47/34			47/92
		47/34	504	G 01 G	11/00			65/30			47/82	690 2	B 65 G	13/02
		47/84			13/00	550.12	B 65 G	65/34	599	B 65 G	37/00			15/42
468.7	B 65 G	25/00			19/22	550.13	B 65 G	21/00			47/34			17/46
		29/00	505	G 01 G	11/08			41/00			47/76			25/00
		37/00			13/22			65/34	600	B 65 G	37/00			29/00
		47/34	506	B 65 G	65/00			65/34			47/66	691	B 65 G	17/46
		47/86	507	B 65 G	43/00	550.2,550.3	B 65 G	65/34			37/00			47/92
468.8	B 65 G	29/00			65/00	550.4-550.6	B 65 G	15/00	601	B 65 G	47/72	692	B 65 G	13/02
		37/00	508	B 65 G	65/00			47/06	602,603	B 65 G	37/00			15/42
		47/04			65/02			47/18	604,605	B 65 G	15/14			17/46
		47/34			65/28			47/44			37/00			25/00
		47/84	509	B 65 G	17/36			65/34	606,607	B 65 G	15/24			29/00
468.9	B 65 G	29/00			65/02			17/36			17/26	693	B 65 G	13/02
		37/00	510.1-512	B 65 G	65/02	550.7	B 65 G	33/00			37/00			15/42
		47/34	513	B 65 G	65/22			47/18	608	B 65 G	29/00			25/00
		47/84	514	B 65 G	65/02			47/44			37/00			29/00
469.1	B 65 G	29/00	515	B 65 G	65/16			65/34	609	B 65 G	27/34	697-699	B 65 G	15/44
		37/00	516	B 65 G	65/06			15/00			37/00	699.1	B 65 G	13/02
		47/04	517	B 65 G	65/08	550.8,550.9	B 65 G	17/00			37/00			15/42
		47/38	518	B 65 G	65/16			47/06	610	B 65 G	29/00			17/46
		47/84	519	B 65 G	65/02			47/18	611-613	B 65 G	37/00			25/00
470.1	B 65 G	25/00	520	B 65 G	19/00			47/44			25/00			29/00
		29/00			65/00			65/34	614	B 65 G	29/00	700	B 65 G	15/00
		37/00			65/06	560,561	B 65 G	47/44			37/00			17/00
		47/84	521	B 65 G	27/00	562	B 65 G	47/04	615	B 65 G	35/00	701,702	B 65 G	17/36
		47/86			65/00			47/18	617	B 65 G	47/00			35/00
471.1	B 65 G	17/46			65/14			47/04	618,619	B 65 G	35/00	703-705	B 65 G	17/36
		29/00	522	B 65 G	65/04	563	B 65 G	47/18	620	B 65 G	37/00			35/00
		37/00	523	B 65 G	11/00			47/44	621	B 65 G	25/00			47/34
		47/04			13/00	564	B 65 G	31/00			37/00	706	B 65 G	47/40
		47/34			47/04			47/04	622,623	B 65 G	37/00	707,708	B 65 G	17/36
472.1	B 65 G	15/00			47/18			47/18	624	B 65 G	29/00			35/00
		15/44	524	B 65 G	43/00	565-567	B 65 G	47/04			37/00	709	B 65 G	17/36
		29/00			47/04			47/18	625	B 65 G	33/06			23/44
		37/00			47/18	568,569	B 65 G	47/44			37/00	710	B 65 G	17/36
		47/34			47/44	570	B 65 G	37/00	626-628	B 65 G	15/14			21/00
		47/84	525-534	B 65 G	47/04	571	B 65 G	37/00	629,630	B 65 G	35/00	711,712	B 65 G	17/36
473.1	B 65 G	29/00			47/19			43/00	631,632	B 65 G	21/10	713,714	B 65 G	17/36
		37/00			47/44	572,573	B 65 G	37/00			41/00			35/00
		47/84	535,536	B 65 G	21/10			43/08	633	B 65 G	47/74	715	B 65 G	17/04
474.1	B 65 G	29/00			47/04	574	B 65 G	37/00	634	B 65 G	43/00			17/32
		47/84			47/20	575	B 65 G	43/10			43/08	716	B 65 G	19/14
475.1-482.1	B 65 G	29/00			47/44	576,577	B 65 G	37/00			47/42	717	B 65 G	19/00
		37/00	537	B 65 G	47/04	578	B 65 G	21/10	635-637	B 65 G	47/74			25/00
		47/04			47/18			37/00	638	B 65 G	31/00			35/00
		47/34			47/44			41/00	639	B 65 G	31/00	718	B 65 G	19/00
		47/84	538	B 65 G	21/10	579,580	B 65 G	37/00			43/00			25/00
483.1	B 65 G	37/00			47/04	581	B 65 G	21/10	640,641	B 65 G	31/00			35/00
		47/04			47/20			37/00	642	B 65 G	31/04			43/00
		47/34			47/44			41/00	643	B 65 G	15/00	719,720	B 65 G	19/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 198—Con.														
		47/86			47/84			25/00	16	H 01 H	15/00			
		49/00			47/86			29/00	17,18	H 01 H	3/00			
		49/06			49/00			35/00	19,20	H 01 H	19/00			
721	B 65 G	25/00	803 1	B 65 G	25/00	803 9	B 65 G	25/00	859	B 65 G	23/38	21	H 01 H	19/00
		19/30			29/00			37/00			25/00			39/00
		25/00			37/00			47/84			29/00	22,23	H 01 H	19/00
		35/00			47/86			47/86			35/00	24-26	H 01 H	39/00
722-724	B 65 G	35/00			49/00	804	B 65 G	49/00	860.1-861.1	B 65 G	21/00	27	H 01 H	19/62
725,726	B 65 G	19/00			49/00			15/00			21/08	28,29	H 01 H	19/00
		35/02	803.11	B 65 G	17/34	805	B 65 G	17/00			21/10	30,31	H 01 H	19/62
727	B 65 G	19/06			25/00			15/60	861.2-861.4	B 65 G	21/00	33	H 01 H	43/00
		19/22			29/00			23/18			41/00	34	H 01 H	7/03
728	B 65 G	19/00			47/84			39/16	861.5,861.6	B 65 G	21/10			43/00
729	B 65 G	19/00			47/86	806-808	B 65 G	15/00			41/00	35	H 01 H	7/08
		23/00			49/00	809	B 65 G	17/00	866	B 65 G	35/00			43/00
		19/24			49/06			15/00				36-41	H 01 H	7/08
730,731	B 65 G	19/24	803 12	B 65 G	25/00	810	B 65 G	17/00						43/10
732	B 65 G	19/26			29/00			43/00				42.01	H 01 H	27/10
733	B 65 G	19/08			37/00			23/18	U.S. Class 199					27/00
		19/24			47/34	811	B 65 G	15/60	TYPE CASTING					9/28
734	B 65 G	19/06			47/84	812	B 65 G	21/14				43.02	H 01 R	13/70
		19/22	803 13	B 65 G	37/00			23/44	1	B 41 B	7/00	43.03	H 01 H	27/06
735	B 65 G	19/18			47/04	813-816	B 65 G	15/10	2	B 41 B	7/16	43.04	H 01 H	27/00
		19/28			47/34	817	B 65 G	15/08	3,4	B 41 B	7/18	43.05	H 01 R	31/08
736-739	B 65 G	25/00			47/84	818-821	B 65 G	15/40	5-7	B 41 B	9/02	43.06,43.07	H 01 H	27/00
740	B 65 G	25/02			49/00			17/10	8	B 41 B	7/02	43.08	H 01 H	27/06
741-745	B 65 G	25/00			49/06			15/60	9,10	B 41 B	7/12	43.09	H 01 H	27/10
746	B 65 G	25/10			13/02	822	B 65 G	15/08	11-13	B 41 B	7/06	43.11-43.19	H 01 H	9/28
747,748	B 65 G	25/04	803 14	B 65 G	15/42	823	B 65 G	15/08	14-17	B 41 B	9/00	43.21	H 01 H	3/20
749,750	B 65 G	25/00			17/12			15/08	18	B 41 B	9/06	43.22	H 01 H	9/28
751	B 65 G	43/00			17/16	824-830	B 65 G	15/08	19-21	B 41 B	11/12	46	H 01 H	43/08
		27/00			17/32			15/02	22	B 41 B	11/16	47	H 01 H	3/16
752	B 65 G	27/32			17/34	831	B 65 G	21/16	23	B 41 B	11/14			3/18
753	B 65 G	27/00			17/46			23/00	24-32	B 41 B	9/04			15/14
754,755	B 65 G	27/00			29/00	832	B 65 G	23/14	33	B 41 B	11/90			17/12
756,757	B 65 G	27/02			37/00	833	B 65 G	23/06	34	B 41 B	11/70			19/18
758	B 65 G	27/06			47/04	834	B 65 G	23/04	35	B 41 B	11/92			21/28
759	B 65 G	27/08			47/34	835	B 65 G	15/00	36-43	B 41 B	11/90	48	H 01 H	31/00
		27/16			47/84	836	B 65 G	17/00	44-46	B 41 B	11/08	49	H 01 H	33/00
		27/28			49/06			21/20	47	B 41 B	11/52	50	H 01 H	9/20
761,762	B 65 G	27/32	803.15	B 65 G	17/34			39/18	48	B 41 B	11/64	51,51.01	H 01 R	13/70
763-765	B 65 G	27/08			25/00			21/20	49	B 41 B	11/38	51.02-51.08	H 01 R	19/00
766,767	B 65 G	27/16			29/00	837	B 65 G	15/60	50	B 41 B	11/50			21/00
768	B 65 G	27/22			47/84			15/60	51	B 41 B	11/44			23/00
769	B 65 G	27/24			47/86	838	B 65 G	15/60	52-54	B 41 B	11/52	51.09,51.1	H 01 R	33/96
770	B 65 G	27/20			49/00	839	B 65 G	15/60	55-58	B 41 B	11/54	51.11	H 01 R	19/40
771	B 65 G	27/00			49/06			21/20	59,60	B 41 B	11/72	51.12	H 01 R	33/96
772-775	B 65 G	25/00	803 16	B 65 G	29/00			47/94	61	B 41 B	9/16	51.13-51.17	H 01 R	33/955
776	B 65 G	25/02			37/00			15/60	62	B 41 B	11/48	52	H 01 H	35/00
777	B 65 G	25/00	803 2	B 65 G	25/00	840	B 65 G	21/20	63-66	B 41 B	11/02	56	G 01 D	13/26
778	B 65 G	13/02			29/00			39/16	67,68	B 41 B	11/04	60	F 21 Y	23/04
		21/18			47/84	841	B 65 G	15/60	69	B 41 B	5/06	61	H 01 H	35/00
779	B 65 G	17/00			49/00			17/00	70	B 41 B	3/02	61.01	H 01 H	35/24
		17/24	803 3	B 65 G	25/00	842,843	B 65 G	39/10	71,72	B 41 B	11/36	61.02	H 01 J	47/00
780	B 65 G	13/02			29/00	844	B 65 G	15/30	73,74	B 41 B	9/04	61.03	H 01 H	35/24
781	B 65 G	13/06			47/04			17/00	75-79	B 41 B	9/06	61.04,61.05	H 01 H	29/00
782	B 65 G	13/02			47/34			39/20	80	B 41 B	5/04	61.06,61.07	H 01 H	35/42
		13/12			47/86	845	B 65 G	15/30	81-89	B 41 B	9/10	61.08	H 01 H	85/00
783,784	B 65 G	13/06			49/06	846	B 65 G	15/34	90	B 41 B	11/52	61.09-61.12	H 01 H	3/16
785,786	B 65 G	13/02	803 4	B 65 G	25/00	847	B 65 G	15/54	91-94	B 41 B	9/10	61.13-61.18	H 01 H	9/00
787	B 65 G	13/02			29/00	848	B 65 G	15/54	95	B 41 B	9/16	61.19	H 01 H	27/04
		13/08			47/24	849	B 65 G	17/38	96	B 41 B	5/02	61.2-61.24	H 01 H	35/00
788,789	B 65 G	13/06			49/00			17/06	U.S. Class 200					35/24
791	B 65 G	13/06	803 5	B 65 G	17/46	850-853	B 65 G	17/38	ELECTRICITY, CIRCUIT MAKERS AND					3/16
792	B 65 G	23/00			25/00			23/00	BREAKERS					3/14
793	B 65 G	17/12			47/84	854	B 65 G	25/00				61.3-61.44	H 01 H	3/16
		17/16			47/86			35/00				61.45	H 01 H	35/02
		17/32			47/91	855	B 65 G	23/00				61.46	H 01 H	29/02
794	B 65 G	17/12			49/00			25/00	1	H 01 H	9/00	61.47-61.52	H 01 H	35/02
		17/16	803 6	B 65 G	15/46			29/00	2	H 01 H	9/54			35/14
		17/32			15/58			35/00	3	H 01 H	61/00	61.53	H 01 H	35/14
		43/00			29/00			43/00	4	H 01 H	9/00	61.54-61.57	H 01 H	9/00
795	B 65 G	35/08			37/00	856	B 65 G	23/00	5	H 01 H	9/26	61.58-61.63	H 01 H	3/16
797	B 65 G	17/16			39/08			25/00	6,7	H 01 H	19/00	61.64-61.68	H 01 H	27/06
798	B 65 G	17/18			47/84			29/00			21/00	61.69-61.76	H 01 H	3/16
799	B 65 G	17/16			47/92			35/00	8,9	H 01 H	19/56	61.77	H 01 H	17/12
800	B 65 G	17/18			49/06			43/00			21/76	61.78-61.82	H 01 H	3/16
801	B 65 G	17/12	803 7	B 65 G	29/00			43/08	10	H 01 H	9/30	61.83	H 01 H	35/02
		17/32			37/00			23/00	11	H 01 H	19/58	61.84	H 01 H	3/16
802	B 65 G	17/16			47/84	857	B 65 G	25/00			21/78	61.85-61.88	H 01 H	9/06
		17/32			47/86			29/00	12,13	H 01 H	83/00	61.89,61.9	H 01 H	3/14
803 01	B 65 G	29/00			49/00			35/00	14	H 01 H	19/58	61.91	H 01 H	3/16
		37/00	803.8	B 65 G	17/44			43/08			21/78	61.93	H 01 H	3/02
		47/44			29/00			23/00	15	H 01 H	21/54	79	H 01 H	3/16
		47/84			37/00									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 200—Con.														
80	H 01 H	35/10	231	H 01 H	29/20	293.1	H 01 H	21/12	417	H 01 H	5/00	552	H 01 H	13/00
81,81.4	H 01 H	35/24			29/02	294-297	H 01 H	9/04	418	H 01 H	3/12			13/14
81.5	H 01 H	35/26	232	H 01 H	29/04			9/02	419	H 01 H	3/36	553	H 01 H	21/00
81.6	H 01 H	29/28			29/02			9/04	420	H 01 H	21/48	554	H 01 H	1/42
81.8	H 01 H	35/36	233,234	H 01 H	29/20			9/06	421	H 01 H	17/08			21/54
81.9	H 01 H	35/40	235	H 01 H	29/06			13/04	422	H 01 H	21/50	555	H 01 H	1/42
82	H 01 H	35/38	236	H 01 H	29/04			13/08	423	H 01 H	13/14	556	H 01 H	3/20
83	H 01 H	35/40			29/02			19/04	424-427	H 01 H	17/08			21/00
84	H 01 H	35/18	237	H 01 J	29/04			19/08	428	H 01 H	3/20	557	H 01 H	21/24
85,86	H 01 H	3/02	238	H 01 H	1/00			21/04	429	H 01 H	3/42	558,559	H 01 H	21/82
86.5	H 01 H	3/14			9/00			21/06	430	H 01 H	15/18	560	H 01 H	19/00
144	H 01 H	9/30	239	H 01 H	1/14	298-300	H 01 H	21/10			5/00	561	H 01 H	15/00
		33/00	240	H 01 H	1/16			21/12	431	H 01 H	5/10	562,563	H 01 H	15/02
145	H 01 H	9/40	241	H 01 H	1/18			9/02	432	H 01 H	5/10	564	H 01 H	19/14
		33/14	242	H 01 H	1/60			13/14	433-435	H 01 H	3/50	565	H 01 H	13/62
146	H 01 H	9/38	243	H 01 H	1/20			19/04	436	H 01 H	3/48	566	H 01 H	13/62
147	H 01 H	33/12	244	H 01 H	1/22	301	H 01 H	21/04	437,438	H 01 H	5/08	567	H 01 H	1/16
		9/44	245,246	H 01 H	1/24			3/60	439	H 01 H	3/42	568-571	H 01 H	19/20
		33/18			1/26			9/00	440	H 01 H	1/50	572	H 01 H	15/06
148	H 01 H	33/82			1/28			9/02			5/06	573,574	H 01 H	3/42
149	H 01 H	33/60	247	H 01 H	1/30	302.1	H 01 H	9/04	441	H 01 H	21/00	600	H 03 K	17/975
150	H 01 H	33/68	248	H 01 H	1/32	302.2	H 01 H	13/06	442	H 01 H	5/08			
151	H 01 H	9/32	249	H 01 H	1/34	302.3	H 01 H	19/06	443-446	H 01 H	5/00			
		33/06	250,251	H 01 H	1/50	303-307	H 01 H	9/02	447,448	H 01 H	5/30			
175	H 01 H	63/00	252	H 01 H	1/36			13/04	449,450	H 01 H	5/00			
176,177	H 01 H	67/14	253	H 01 H	1/60			19/04			15/18			
178	H 01 H	67/02	253.1	H 01 H	1/38	308-317	H 01 H	21/04	451	H 01 H	5/22			
179	H 01 H	67/26	254	H 01 H	1/42	318,318.1	H 01 H	9/00	452	H 01 H	5/18			
180	H 01 H	63/26	255,256	H 01 H	1/50			1/52	453,454	H 01 H	5/06	1	C 10 B	47/00
181	H 01 H	57/00	257	H 01 H	1/44			3/20	455	H 01 H	5/10			49/00
182-185	H 01 H	29/00	258	H 01 H	1/46	318.2	H 01 H	9/00	456	H 01 H	5/18			51/00
186	H 01 H	29/08	259	H 01 H	1/48			1/52	457	H 01 H	5/06			53/00
187-189	H 01 H	29/00	260,261	H 01 H	1/50			3/20	458	H 01 H	5/10			55/00
190	H 01 H	29/28	262	H 01 H	1/02			9/00	459,460	H 01 H	5/08			57/00
		29/30	263	H 01 H	1/04			13/68	461	H 01 H	5/18	2	C 10 B	43/00
191,192	H 01 H	29/00	264-270	H 01 H	1/02	319-327	H 01 H	1/52	462-466	H 01 H	5/06			47/00
193,194	H 01 H	29/06	271-274	H 01 H	1/00			3/20	467	H 01 H	5/08			49/00
195,196	H 01 H	29/26			9/00			9/00	468	H 01 H	5/00			51/00
		29/32	275,276	H 01 H	1/06	329	H 01 H	3/00	469	H 01 H	3/48			53/00
197	H 01 H	29/00	276.1	H 01 H	1/06			13/00	470,471	H 01 H	3/20			55/00
		29/32			3/12	330	H 01 H	3/20	472	H 01 H	1/42			57/00
198	H 01 H	29/16	277	H 01 H	1/06	331	H 01 H	3/20	500,501	H 01 H	5/00	2.5	C 10 B	57/00
		29/26			1/16			17/00	502	H 01 H	1/00	3	C 10 B	33/00
		29/32	277.1	H 01 H	3/12	332	H 01 H	3/20	503,504	H 01 H	1/12			47/00
199-201	H 01 H	29/16	277.2	H 01 H	21/00			15/00	505	H 01 H	3/02			49/00
202	H 01 H	29/16	278	H 01 H	1/10	332.1	H 01 H	9/02	506	H 01 H	1/40			51/00
		29/20	279	H 01 H	1/06	332.2	H 01 H	9/06	507	H 01 H	3/40			53/00
203-207	H 01 H	29/02	280,281	H 01 H	9/00	333	H 01 H	13/04	508	H 01 H	3/32			55/00
		29/20	282	H 01 H	1/42			19/04	509,510	H 01 H	1/56	4	B 01 D	57/00
208	H 01 H	29/00	283	H 01 H	1/26	334	H 01 H	9/20	511	H 01 H	1/02			45/00
		29/02			1/28			13/00	512-517	H 01 H	1/10			27/00
209	H 01 H	29/00			1/44			13/14	518	H 01 H	13/68			33/00
		29/18			50/56	335	H 01 H	3/04	519	H 01 H	19/46			47/00
210	H 01 H	29/00	284	H 01 H	1/00			3/20	520,521	H 01 H	13/14			49/00
		29/16	285	H 01 H	1/60	336	H 01 H	3/08	522	H 01 H	13/02			51/00
		29/18			3/62			19/00	523	H 01 H	13/56			53/00
211,212	H 01 H	29/00	286,287	H 01 H	1/34			19/14	524	H 01 H	3/42			55/00
		29/02			1/48			21/00	525	H 01 H	13/42	5.6	C 10 B	45/02
213	H 01 H	29/00			37/24	337	H 01 H	25/00	526	H 01 H	13/58			53/00
		29/02			37/26	338,339	H 01 H	3/00	527,528	H 01 H	19/62			5/02
		29/16			37/28			13/00	529	H 01 H	3/02	7.8	C 10 B	53/08
214-218	H 01 H	29/02			37/30	341	H 01 H	3/12	530	H 01 H	13/14	9	C 10 B	57/08
219	H 01 H	29/02	288	H 01 H	3/60			13/14	531	H 01 H	13/12			9/00
		29/12	289	H 01 H	1/62	342	H 01 H	3/48	532	H 01 H	13/36	10	C 10 B	17/00
		29/14			9/52	343-345	H 01 H	13/70	533	H 01 H	3/42			49/00
		29/16			37/74			5/00	534	H 01 H	1/14			51/00
220,221	H 01 H	29/20			50/12	401	H 01 H	23/00			13/14	11	C 10 B	47/14
		29/22	290	H 01 H	1/26			5/00	535	H 01 H	1/26			47/26
		29/24			1/28			29/00	536	H 01 H	1/36			49/14
222	H 01 H	29/04			1/44	404	H 01 H	5/02	537	H 01 H	15/00	12	C 10 B	47/00
		29/20			1/50	405	H 01 H	5/00	538	H 01 H	15/24			49/16
		29/22	291,292	H 01 H	9/00	406	H 01 H	5/18	539	H 01 H	3/20			55/02
		29/24	293	H 01 H	1/64	407	H 01 H	5/20			15/00	13-16	C 10 B	47/00
223-225	H 01 H	29/20			1/66	408	H 01 H	5/14	540-542	H 01 H	15/06			51/00
		29/22			9/02	409	H 01 H	5/30	543	H 01 H	15/00	17	C 10 B	57/00
		29/24			9/06	410	H 01 H	5/00			17/08	18	C 10 B	29/00
226,227	H 01 H	29/04			13/04			19/24	544	H 01 H	15/00	19	C 10 B	19/00
		29/20			13/08	411	H 01 H	3/20			17/18			47/06
		29/22			13/10	412	H 01 H	3/12	545	H 01 H	15/00			49/00
		29/24			19/04	413	H 01 H	17/08			17/06			51/00
228,229	H 01 H	29/20			19/08	414	H 01 H	3/20	546	H 01 H	17/02			53/00
		29/22			21/04	415	H 01 H	3/20	547	H 01 H				55/00
		29/24			21/06			5/00	548	H 01 H	15/02			57/00
230	H 01 H	29/14			21/10	416	H 01 H	3/42	549-551	H 01 H	15/06	20	C 10 B	57/04

U.S. Class 201

DISTILLATION: PROCESSES, THERMOLYTIC

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 201—Con.						U.S. Class 203			U.S. Class 204					
						DISTILLATION: PROCESSES, SEPARATORY			CHEMISTRY, ELECTRICAL AND WAVE ENERGY					
21-23	B 09 B	57/12	100	C 10 B	49/00	168-170	B 01 D	3/00						
	C 10 B	3/00	101	C 10 B	21/00			11/00						
		53/00			49/00	172-174	B 01 D	3/02						
		55/00			9/00	175-180	B 01 D	3/00						
		57/04			47/08	181	B 01 D	3/42						
24	C 10 B	51/00	102	C 10 B	3/00	182-184	B 01 D	3/14	1-3	B 01 D	3/42	1	B 01 D	59/40
		57/04			5/00	185.1-185.6	B 01 D	3/00	4	B 01 D	3/00		C 25 B	
25	C 10 B	51/00			15/02	186-196	F 28 B		5	B 01 D	3/00		C 25 C	
		57/04	103,104	C 10 B	47/00	197	F 28 B			B 01 D	59/04		C 25 D	
		5/06			7/00	198,199	B 01 D	3/00	6,7	B 01 D	3/34	1.5	C 25 B	
26	C 10 F	57/02			15/02	200-204	B 01 D	3/14		C 23 F	11/00		C 25 C	1/22
27	C 10 B	47/00	105-107	C 10 B	47/00	205	B 01 D	3/00			14/00		C 25 D	3/34
		49/00			1/00	206	B 01 D	3/10	8	B 01 D	3/00		C 25 B	3/54
		51/00	108	C 10 B	47/00	207	C 10 B	3/42			59/00		C 25 D	5/32
		53/00			49/00			9/00						5/46
		55/00			51/00			47/00						11/28
		57/00	109	C 10 B	1/00	208	C 10 B	21/00	9	C 01 D	3/00	2	B 21 H	1/20
28,29	C 10 B	21/18			27/00	209	C 10 B	21/00		C 07 B	59/00		B 41 C	3/08
		47/28	110	C 10 B	1/00			47/00		C 07 C	7/00		B 41 M	5/20
		49/00			13/00	210	C 10 B	21/00	10,11	D 01 D	3/00	2.1	H 01 M	10/44
		51/00	111	C 10 B	1/00			53/02			3/10	3,4	C 25 D	1/00
		53/00			5/14	211,212	C 10 B	9/00		B 63 J	4/00	5	B 29 D	17/00
		55/00			5/20	213	C 10 B			C 02 F	1/04		C 25 D	1/00
		57/00	112	C 10 B	1/00	214	C 10 B	33/00	12	B 01 D	3/00		G 11 B	3/70
30	B 01 D	5/00	113-116	C 10 B	1/00	215	C 10 B	21/00	13	C 01 B	21/44	6	B 41 C	3/08
	C 10 B	47/00			1/00			23/00	14,15	C 07 C	51/44		C 25 D	1/10
		49/00	117	C 10 B	1/00			49/00	16	C 07 C	51/44	7	C 25 D	1/06
		51/00			7/00	216	C 10 B	1/00			53/08	8	B 44 C	1/04
		53/00			31/00			49/00	17	C 07 C	45/82		C 25 D	1/00
		55/00	118	C 10 B	1/00	217	C 10 B	1/00	18	C 07 C	29/80	9	C 25 D	1/02
		57/00			7/10	218	C 10 B	1/04		C 12 F	1/04	10	C 25 D	1/00
31	C 10 B	47/24	119	C 10 B	1/00			1/10	19	C 07 C	29/80			5/00
		49/10			7/00	219,220	C 10 B	1/00			31/08	11	C 25 D	1/08
		49/22	120,121	C 10 B	1/04	221	C 10 B	1/04	20	B 01 B	12,13		C 25 D	1/04
		55/10			49/00	222-225	C 10 B	1/00		B 01 D	19/02	12,13	C 25 D	5/00
32,33	C 10 B	47/20	122	C 10 B	1/04	226	C 10 B	1/00		B 01 D	15,16	14.1	C 25 D	5/02
		49/06			5/20			39/00	21-27	B 01 D	3/00	15,16	B 41 C	3/08
		49/18	123	C 10 B	1/04			45/00	28-38	B 01 D	3/34	17	B 41 N	1/04
		55/06			5/12	227	C 10 B	39/00	39	B 01 D			C 44 C	1/04
		47/18	124-127	C 10 B	1/04	228	C 10 B	39/02	40	B 01 D	3/00	18.1	C 25 D	9/08
34	C 10 B	49/04			21/20			39/04			45/00	19	C 25 D	5/54
		55/04	128,129	C 10 B	1/08	229	C 10 B	39/04	41	B 01 D	15/00	20-22	C 25 D	5/00
		49/00			49/00	230	C 10 B	39/12	42	B 01 D	3/34	23	C 25 D	7/00
35	C 10 B	47/00	130	C 10 B	1/08	232-235	B 01 D	3/00			5/00	24	C 25 D	7/04
		51/00			5/12	236	B 01 D	3/08			47/00	25,26	C 25 D	7/00
		53/00			5/20			3/28			11/00	27,28	C 25 D	5/24
		55/00	131	C 10 B	1/10	237	B 01 D	3/04	43,44	B 01 D		29	C 25 D	5/34
		57/00	132	C 10 B	1/08	238	B 01 D	3/08	45,46	B 01 D	3/00		C 25 D	5/54
36-38	C 10 B	57/12	133-135	C 10 B	1/06	239	B 01 D	3/00	47	B 01 D	21/00	30,31	C 25 D	5/34
39	C 10 B	39/00			49/00			3/32			24/00	32.1	C 25 D	5/44
		47/00	136	C 10 B	1/06						29/00	33	C 25 D	5/36
		49/00			1/10	241	C 10 B	43/00			43/00	34	C 25 D	5/36
		51/00	137	C 10 B	1/06	242	C 10 B	1/00	48	B 01 D	9/00	34.5	C 25 D	5/34
		53/00			21/20			25/00	49-70	B 01 D	3/34	35.1	C 25 D	5/44
		55/00	138	C 10 B	1/06	243	C 10 B	25/00		B 01 D	3/00	36	C 25 D	5/52
		57/00			5/00			25/18	71,72	B 01 D	3/00	37,1,37.3	C 25 D	5/50
40	C 10 B	31/00	139	C 10 B	1/06	244-246	C 10 B	25/00	73-75	B 01 D	3/00	37.6	C 25 D	5/44
		37/00			5/02			25/20			3/10	38.1-38.7	C 25 D	5/00
		49/00	140	C 10 B	1/06	247,248	C 10 B	1/06	76	B 01 D	3/00	39	C 25 D	3/66
		51/00			5/20			25/06			3/10	40	C 25 D	5/10
		53/00	141-144	C 10 B	1/06			25/24			3/38	41	C 25 D	5/12
		55/00			5/12	249	C 10 B	1/10	77,78	B 01 D	3/00	42	C 25 D	5/00
		57/00			21/00			25/00			3/10			11/00
41	C 10 B	1/06	145	C 10 B	1/06	250	C 10 B	25/22	79	B 01 D	3/00	43.1	C 25 D	3/56
		5/06			5/06	251	C 10 B	31/00			3/10	44	C 25 D	3/58
		5/12	146	C 10 B	1/06	252	C 10 B	25/00			3/38	44.2	C 25 D	3/56
		5/12			5/12	253	C 10 B	39/00	80-82	B 01 D	3/00	44.3	C 25 D	3/62
		1/06	147	C 10 B	1/06			39/06			3/10	44.4	C 25 D	3/56
		1/06	148	C 10 B	1/06	254,255	C 10 B	27/00	83	B 01 D	3/38			3/60
		5/20			5/20	256	C 10 B	27/06	84	B 01 D	3/00	44.5-44.7	C 25 D	3/56
81,82	B 01 D	3/00	149	C 10 B	1/06	257	C 10 B	27/00	85	B 01 D	3/38	45.1	C 25 D	3/02
	C 10 B				49/00	258	C 10 B	27/06	86	B 01 D	3/00	45.5	C 25 D	3/54
83	B 01 D	3/00	150	C 10 B	1/06	259,260	C 10 B	27/00	87	B 01 D	3/14	46.1	C 25 D	3/46
	C 02 F	1/18			17/00	261	C 10 B	33/00	88	B 01 D	3/06	47	C 25 D	3/50
	C 10 B		151	C 10 B	1/06	262	C 10 B	35/00	89	B 01 D	3/00	47.5	C 25 D	3/48
84	C 10 B	1/00			21/10	263	C 10 B	27/04	90	B 01 D	3/08	48	C 25 D	3/12
85-87	C 10 B	3/00	152	B 01 D	3/00	264	B 01 D	1/02	91	B 01 D	3/00			3/20
		5/00			1/02						3/10	49	C 25 D	3/12
		21/00	153-155	B 01 D	3/02	265	C 10 B	3/00	92	B 01 D	3/10	50.1	C 25 D	3/36
		5/00			3/14			7/04			3/38	50.3	C 25 D	3/28
88-96	C 10 B	9/00	156	B 01 D	3/02	266	C 10 B	7/14	93,94	B 01 D	3/00	51	C 25 D	3/04
		51/00	158,159	B 01 D	3/14	267.1,267.2	C 10 B	29/00			3/10	52.1	C 25 D	3/38
		7/14	160	B 01 D	3/42	268	C 10 B	29/04	95,96	B 01 D	3/34	52.5	C 25 D	3/40
97,98	C 10 B	21/20	161,162	B 01 D	3/14	269,270	C 10 B	29/00			3/38	53	C 25 D	3/34
99	C 10 B		163-167	B 01 D	3/00			45/00	97-100	B 01 D	3/00	54.1,54.5	C 25 D	3/30
												55.1	C 25 D	3/22

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 204—Con.			157.47	C 01 B	31/00		C 25 C	7/02	69	B 65 D	85/08	387	B 65 D	85/672
			157.48	C 01 B	7/00		C 25 D	17/10			85/14	388	B 65 D	85/00
55.3	C 25 D	3/24	157.49	C 01 B	17/00	281	C 25 D	1/00	70	B 65 D	85/40		B 65 H	54/46
55.5	C 25 D	3/54	157.5	C 01 B	13/00	282	C 25 B	13/00	71	B 65 D	85/00			55/00
56.1-57	C 25 D	11/00			15/00		C 25 C	7/04	77.1	A 47 K	5/08	389-417	B 65 D	85/66
58	C 25 D	11/08	157.51	C 01 D	1/00	283	C 25 B	11/03	81	A 44 B	7/00			85/67
58.4	C 25 D	11/30		C 01 F			C 25 C	7/02		B 65 D	73/00			85/671
58.5	C 25 D	5/00	157.52	C 01 B	3/00		C 25 D	17/12	83	A 61 C	19/10			85/672
59	C 25 C				4/00	284	C 25 B	11/00	83.5	B 65 D	71/00			85/675
	C 25 D				6/00	285	C 25 B	11/03	85-95	A 24 F	15/00			85/676
60	C 25 B	1/00	157.6	C 07 F	1/00		C 25 C	7/02			27/00			85/677
	C 25 C	3/00			3/00		C 25 D	17/12		B 65 D	85/10	418-422	B 65 D	85/42
61	C 25 B	1/00			5/00	286-290	C 25 B	11/00			85/12	423	B 65 D	85/50
62	C 25 B	3/00	157.61-157.63	C 07 B			C 25 C	7/02	96-138	A 24 F	27/00			85/52
63	C 25 B	1/00	157.64, 157.65	C 07 C			C 25 D	17/10	139	B 65 D	75/00	424	A 45 F	5/12
64	C 25 C	3/00	157.67	C 07 C	401/00	291-293	C 25 B	11/04	140	A 45 C	11/00	425	B 65 D	85/00
65.66	C 25 C	3/34		C 07 G	13/00	294	C 25 B	11/12		B 65 D	75/00	426	B 65 D	85/44
67	C 25 C	3/06	157.68	C 07 G		295, 296	C 25 B	13/00	141-179	B 65 D	75/00	427-435	B 65 D	65/00
68.69	C 25 C	3/02		C 08 K	3/00		C 25 C	7/04	180	B 65 D	75/00			75/00
70	C 25 C	3/04	157.69-157.72	C 07 D		297	C 25 D	17/04			85/40	436	B 65 D	5/00
71	C 25 C	3/36	157.73	C 07 F	9/02			17/06	181-189	B 65 D	75/00			85/00
72-77	C 25 B	3/00	157.74	C 07 F		298	C 23 C	14/00	190	B 65 D	75/00	438-441	A 61 B	17/06
78-80	C 25 B	3/02	157.75-157.86	C 07 C		299-301	B 01 D	61/42			85/40			19/02
81	C 25 B	3/06	157.87-157.89	C 07 C	51/00	302-308	C 25 D	13/00	191-203	B 65 D	75/00			15/00
82	C 25 B	1/28			67/00		B 01 D	17/06	204	B 65 D	81/26	442	B 65 D	85/00
83.84	C 25 B	1/30	157.9	C 07 C	29/00			61/42		F 17 C	11/00	443	B 65 D	85/20
85	C 25 B	1/32			37/00	400-435	B 03 C	5/02	205-212	B 65 D	81/24	444	B 65 D	85/30
86-93	C 25 B	1/00	157.91	C 07 C	401/00		C 10 G	33/02	213, 213.1	B 65 D	81/28	445	B 65 D	85/00
94.95	C 25 B	1/24	157.92	C 07 C	41/00		G 01 N	27/26	214	A 45 C	11/34	446	B 65 D	85/20
96.97	C 25 B	1/00			45/00				215	B 65 D	85/00	447	B 65 D	57/00
98	C 25 B	1/14	157.93	C 07 C	45/00				216-218	B 65 D	77/00			85/00
		1/18	157.94-158.12	C 07 C	17/00				219-222	B 65 D	25/08	448-456	B 65 D	85/48
		1/34	158.14	C 07 C	1/00				223-241	B 65 D	69/00	457-496	B 65 D	73/00
		1/36			2/00						71/00	497	B 65 D	65/00
99	C 25 B	1/36			4/00				242-276	A 24 F	15/00	499-520	B 65 D	21/00
100	C 25 B	1/18			5/00					B 65 D	85/10			85/62
101, 102	C 25 B	1/00			6/00	0.5	F 17 C	13/00			85/12	521-524	B 65 D	81/02
103, 104	C 25 B	1/22				0.6	F 17 C	1/00			85/14			85/30
105	C 25 C	1/00	158.2	C 01 B				3/00	277	B 65 D	85/18			85/32
106-108	C 25 C	1/12	158.21	C 07 B	63/00		F 17 C	11/00	278	B 65 D	81/28			85/34
109-111	C 25 C	1/20	164, 165	H 05 F	3/00	0.7	A 45 C	1/00	278.1	B 65 D	85/18	524.1-524.7	B 65 D	85/84
112, 113	C 25 C	1/06	166	C 07 G	13/00	0.8-0.84	A 45 C	13/10			85/18	524.8	B 65 D	81/20
114-119	C 25 C	1/14	167	C 11 B		1.5	A 45 C	13/18			85/00	524.9-526	B 65 D	85/00
		1/16	168-171	C 07 C			B 05 C	17/00	279-299	B 65 D	85/40	527	B 65 D	79/00
120-122	C 25 C	1/14	172	C 10 G		1.7-1.9	B 44 D	3/00			85/00	528	B 65 D	1/09
123-127	C 25 C	1/24	173	C 01 B	31/00			3/04	300	B 65 D	85/02			83/04
128	C 25 B	1/00	174	C 25 B	1/30	3	F 42 B	39/00	301	B 65 D	65/02			85/42
129	C 25 B	1/02	175	C 01 B	15/01	5-6.1	A 45 C	11/04	302	B 65 D	85/06	529-540	B 65 D	83/04
129.1-129.95	B 23 H	3/00	176	C 01 B	13/10	8.9	A 45 C	11/02	303, 304	B 65 D	85/38			85/42
		5/00	177	C 01 B	21/00		B 65 D	85/18	304.1	B 65 D	85/30	541-549	A 45 C	11/20
		9/00	178, 179	C 01 B	21/30	11	B 65 D	85/18	304.2	B 65 D	85/57	550	B 65 D	69/00
		11/00	180.1	B 01 D	57/02	14	A 45 C	11/00	305, 306	B 65 D	85/57			71/00
	C 25 F	3/00			61/42	15	B 65 D	81/02	307	B 65 D	85/57			85/575
		5/00			7/00	15.2, 15.3	A 45 D	44/18			85/30	551	A 45 C	11/20
130, 131	C 25 F	5/00	180.2-180.8	C 25 D	13/00	18	B 65 D	85/40	308-313	B 65 D	85/30	553-567	B 65 D	1/34
132	C 25 F	5/00	180.9	C 25 D	1/12	19.37	A 45 C	11/00			85/57			6/04
	D 06 M		181.1-181.7	C 25 D	13/00	37.1-37.8	A 45 C	11/32	314	A 45 C	11/00	568-582	B 65 D	69/00
	D 21 C	5/00	181.8, 181.9	C 10 G	32/02	38	A 45 C	15/00	315.1	B 65 D	85/20			71/00
133	C 25 F	5/00		C 25 B	7/00	38.1	A 45 C	11/32	315.11	B 65 D	85/00	583-594	B 65 D	81/02
	D 21 C	9/00	182.1-182.3	C 25 B	1/00	39-39.8	A 45 C	11/18	315.2, 315.3	A 63 B	55/00			85/30
134	C 25 F	5/00			7/00	44	B 65 D	5/50	315.4	A 63 B	55/00	595-600	B 65 D	19/00
135	C 14 C	5/00	182.4	B 01 D	61/44			5/52			55/02	601-634	B 65 D	7/00
	C 25 F	5/00		C 25 B	1/00	44.11	B 65 D	23/12	315.5	A 63 B	55/00			3/26
	D 06 M				7/00	44.12	B 65 D	75/58	315.6	A 63 B	55/04			5/54
136	C 10 G	15/00	182.5-183.3	C 25 B	1/00	45	B 65 D	5/50			55/06			5/70
138	C 13 D	3/18			7/00	45.11	B 65 D	55/00	315.7, 315.8	A 63 B	55/00			27/32
140	C 25 F		186	B 01 D	17/06			1/22	315.9	B 65 D	85/00			33/36
141.5-145	C 25 F	1/00		B 03 C	5/00		B 65 D	79/00	315.91	A 63 B	37/00			65/26
146	C 25 F	5/00		C 02 F	1/48			81/36		B 65 D	85/00			75/58
147, 148	C 23 F	13/00	188-191	B 01 D	17/06	45.12	B 65 D	79/00	316.1-316.3	B 65 D	85/38			77/30
149-152	C 02 F	1/46		B 03 C	5/00			81/36		B 65 D	85/00			
153	C 25 F			C 10 G	35/16	45.13	B 65 D	79/00	317	B 65 D	85/58			
155, 156	C 25 B	5/00	192.1-192.38	C 23 C	14/00	45.14-45.19	B 65 D	5/50	318	B 65 D	85/68			
157.15	C 07 C	1/00			14/32	45.2-45.27	B 65 D	5/52	319	B 65 D	85/00			
		2/00	193, 194	C 25 D				25/24	320	B 65 D	85/00			
		4/00	196, 197	C 23 F	13/00	45.28-45.3	B 65 D	51/00	321-325	B 65 D	85/46			
		5/00	198-227	C 25 D	17/00	45.31, 45.32	B 65 D	25/00	326, 327	B 65 D	85/00			
		6/00	228-241	C 25 B	15/00	45.33	B 65 D	65/16	328-334	B 65 D	73/02			
157.2-157.22	B 01 D	5/00		C 25 D	21/00	45.34	B 65 D	25/00	335	B 65 D	85/68	1	C 09 D	4/00
157.3	B 01 D	53/00	242	C 25 B	9/00	49-55	B 65 D	85/04	336, 337	A 44 B	9/12			101/00
157.4-157.44	C 01 B			C 25 C	7/00			85/66	338-347	B 65 D	85/24			201/00
157.45	C 01 B	25/00		C 25 D	17/00		B 65 H	55/00	348	A 44 B	7/00			9/00
		33/00	243-247	C 25 C	3/00	63.3		75/02	349-354	A 45 C	11/26	2	C 07 C	37/00
		35/00	248-279	C 25 B	9/00	63.5	A 61 B	17/06	355-370	B 65 D	83/10	3	C 07 C	27/10
157.46	C 01 B	21/00		C 25 C	7/00	68	A 61 B	19/02	371-383	B 65 D	85/28	4-6	C 10 G	3/00
	C 01 C	1/00		C 25 D	17/00		B 65 D	81/02	384, 385	B 65 D	85/72			27/00
		3/00	280	C 25 B	11/00			85/30	386	B 65 D	19/00	7	C 10 G	9/00

U.S. Class 208

MINERAL OILS: PROCESSES AND PRODUCTS

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 208—Con.			72-77	C 10 G	69/12	189	C 10 G	27/00	318-320	C 10 G	21/00	14	B 07 B	9/00
		11/00			51/02	190	C 10 G	27/02	321	C 10 G	21/28		C 22 B	11/10
12	C 10 G				51/04	191-194	C 10 G	27/04	322	C 10 G	21/12	15,16	B 03 B	7/00
13	C 10 G	17/00			65/10	195	C 10 G	27/08	323,324	C 10 G	21/02		C 22 B	11/10
14	C 10 L	1/00	78-80	C 10 G	51/06	196	C 10 G	27/04	325	C 10 G	21/12	17-20	B 03 B	7/00
15-17	C 10 L	1/04			53/16	197	C 10 G	29/06	326	C 10 G	21/20		B 07 B	9/00
18	C 10 G	71/00			55/08	198	C 10 G	29/10	327-329	C 10 G	21/16	21-37	B 07 B	9/00
19	C 10 G	71/00			57/00	199-202	C 10 G	19/06	330,331	C 10 G	21/20	38-40	B 03 C	1/30
	C 10 M	159/00			59/06	203-206	C 10 G	19/00	332-335	C 10 G	21/16	41	C 22 B	11/10
		165/00			61/08	207	C 10 G	29/00	336	C 10 G	21/18	42,43	B 07 B	9/00
		167/00			63/06	208	C 10 G	17/00	337	C 10 G	21/14		C 22 B	11/10
		169/00			65/14			45/00	338	C 10 G	21/10	44	B 03 B	7/00
		171/00			67/16	209-212	C 10 G	45/00	339	C 10 G	21/00		B 07 B	9/00
20,21	C 10 G	73/36	81-84	C 10 G	69/14	213	C 10 G	25/00	340-343	C 10 G	5/00	44.1,44.2	B 07 C	5/00
22,23	C 10 C				1/00			45/04	344-346	C 10 G	5/04	44.3	B 07 C	3/04
24	C 10 G	73/00			3/00	214	C 10 G	45/04	347-350	B 01 D	3/00	45-47	B 07 B	13/00
25-27	C 10 G	25/00			1/00			45/24		C 10 G	7/00	48	B 07 B	13/00
		29/20			1/04			45/60	351	C 10 G	7/02		C 22 B	11/10
		73/02			21/00	215-217	C 10 G	45/04	352	B 01 D	3/06	49	B 07 B	13/00
		73/38			17/00			45/60		C 10 G	7/00	50-70	C 22 B	11/10
28-30	C 10 G	73/02			55/00	218	C 10 G	31/00	353-355	B 01 D	3/00	127.1-131	B 03 C	7/00
31	C 10 G	73/06			57/00	219-223	C 10 G	17/02		C 10 G	7/00	132	B 03 B	
32	C 10 G	73/32			45/00			45/00	356	B 01 D	3/34		B 07 B	4/00
33-36	C 10 G	73/06			17/06	224	C 10 G	17/06	357	B 01 D	3/10	133-142	B 07 B	7/00
37,38	C 10 G	73/32			25/00	225	C 10 G	17/02		C 10 G	7/00	143	B 07 B	7/04
39,40	C 10 C	3/00			7/00	226-234	C 10 G	19/00	358	B 01 D	3/00	144	B 04 C	
		1/04			57/00			45/00		C 10 G	7/00	145	B 07 B	7/02
41	C 10 C	3/06			21/00	235	C 10 G	19/08	359	B 01 D	3/08	146-154	B 07 B	4/00
42,43	C 10 C	1/04			55/00			29/20		C 10 G	7/00			7/00
44	C 10 C	1/20			67/04	236-238	C 10 G	29/20	360	B 01 D	3/28	155	B 03 B	5/28
		3/02			67/06	239	C 10 G	29/00	361	B 01 D	3/06			5/62
45	C 10 C	1/18			9/00	240	C 10 G	29/22		C 10 G	7/00	156-161	B 03 B	5/66
		3/08			11/00	241	C 10 G	27/02	362	B 01 D	3/34		B 03 D	
46,47	C 10 G	9/12			15/00	242	C 10 G	17/08		C 10 G	7/00	162,163	B 03 B	5/60
48	C 10 G	9/16			47/00	243-250	C 10 G	29/00	363	B 01 D	3/38			5/64
		57/02			49/22	251	C 10 G	17/00	364,365	B 01 D	3/00	164-170	B 03 D	1/14
49	C 10 B	51/02			9/00			45/00	366	B 01 D	3/10	171	B 03 B	5/00
	C 10 G	55/02			15/00	252	C 10 G	17/00		C 10 G	7/00		B 03 D	1/00
		57/00			47/00	253	C 10 G	29/04	367-369	B 01 D	3/00	172	B 03 B	5/28
		65/02			47/02	254,255	C 10 G	17/00		C 10 G	7/00			5/30
		67/02			47/24			45/00	370	C 10 G	1/04			5/32
		69/02			47/12	256	C 10 G	17/00	390,391	C 10 G	1/00			5/34
50	C 10 B	55/00			47/16	257-259	C 10 G	29/00	400-402	C 10 G	1/00			5/36
	C 10 G	57/00			47/04	260,261	C 10 G	25/02	403	C 10 G	1/06			5/38
		59/06			47/20			29/00			1/08			5/40
51	C 10 B	57/00			47/02	262-263	C 10 G	17/00	404-407	C 10 G	1/00			5/42
	C 10 G	69/06			47/12			45/00	408	C 10 G	1/08	172.5	B 03 D	1/00
		65/10			47/16	264	C 10 G	45/00	409-411	C 10 G	1/00		B 03 B	5/30
52-55	C 10 B	51/02			47/02	265	C 10 G	17/00	412-414	C 10 G	1/06			5/32
	C 10 G	65/10			47/04	266-276	C 10 G	17/06			1/08			5/34
		45/00			11/02	277	C 10 G	17/06	415	C 10 G	1/00			5/36
56,57	C 10 G	47/00			11/08	278	C 10 G	25/00	416	C 10 G	1/06			5/38
58	C 10 G	65/00			11/02	279-282	C 10 G	17/00			1/08			5/40
		69/00			11/04	283-286	C 10 G	19/00	417	C 10 G	1/00			5/42
		65/00			9/26	287	C 10 G	19/00	418-423	C 10 G	1/06			5/44
59	C 10 G	69/02			9/42			25/00	424-435	C 10 G	1/00	173-207	B 03 D	1/00
60	C 10 G	65/12			9/26	288	C 10 G	19/00					B 03 B	5/60
61	C 10 G	69/04			9/32	289	C 10 G	29/00						5/64
		69/06			9/28	290	C 10 G	21/12						1/00
62	C 10 G	57/00			9/36			29/20	U.S. Class 209					
		61/02			9/38	291	C 10 G	21/16	CLASSIFYING, SEPARATING AND ASSORTING SOLIDS					
		63/02			9/36			29/02				208-211	B 03 D	1/00
63,64	C 10 G	69/02			9/14	292	C 10 G	21/10				212-232	B 03 C	1/00
		35/04			35/00	293	C 10 G	29/10				233	B 07 B	1/00
		57/00			35/04			29/28				234	B 07 B	9/00
		59/02			35/06	294-297	C 10 G	29/04				235-237	B 07 B	1/00
		69/02			23/90	298	C 10 G	29/00	1	B 03 B		238	B 07 B	1/46
65	C 10 G	35/06			35/00	299	C 10 G	29/00	2	B 03 B	9/00	239	B 07 B	13/00
66	C 10 G	35/04			45/00	300	C 10 G	25/00				240-242	B 07 B	1/00
		57/00			35/00	301-303	C 10 G	25/06	3	B 03 B	1/00	243-259	B 07 B	1/28
		63/02			35/10	304	C 10 G	25/12				260	B 07 B	
		69/08			17/00	305	C 10 G	25/00	3.1-3.3	B 07 C	5/02	261-268	B 07 B	1/28
67	C 10 G	51/02			19/00	306,307	C 10 G	3/00	4	B 03 B	1/00	269	B 07 B	1/22
		51/04			21/00	308	C 10 G	21/00				270	B 07 B	1/08
		55/04			25/00	309	C 10 G	21/00	5	B 03 B	1/00	271	B 07 B	1/10
		57/00			27/00	310	C 10 G	21/00				272	B 07 B	1/04
68	C 10 G	69/04			29/00	311,312	C 10 G	21/00	7	B 03 B	1/00	273	B 07 B	1/06
		69/06			31/00			21/00	8	B 03 C	1/00	274	B 07 B	1/28
69,70	C 10 G	55/06			175/00	313	B 01 D	3/00	9	B 03 B	1/00	275-278	B 07 B	1/06
		57/00			33/00	314-316	C 10 G	21/02	10,11	B 03 B		279,280	B 07 B	1/08
71	C 10 G	57/02			33/04	317	C 10 G	21/04				281-283	B 07 B	1/06
									12,13	B 03 B	7/00	284-286	B 07 B	1/18
										B 07 B	9/00	287	B 07 B	1/26

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 209—Con.														
285-292	B 07 B	1/22	468-477	B 07 B	5/46	646	B 07 C	5/24	169	E 04 H	3/16	267	B 01 D	15/00
293-298	B 07 B	1/24	478	B 07 C	4/00	647	B 07 C	5/26			4/12			24/00
299	B 07 B	1/22	479-483	B 07 B	13/00	648	B 07 C	5/24	170	E 02 B				24/32
300	B 07 B	1/20	484-486	B 03 B	5/06	649	B 07 C	5/22	171,172	E 03 B	11/00			27/02
301	B 07 B	1/26		B 07 B		650	B 07 C	5/18	173,174	B 01 D	35/00			33/46
302	B 07 B	1/18	487	B 07 B	11/08	651-658	B 07 C	9/00		E 03 D	9/10	268	B 01 D	15/02
303	B 07 B	1/22	488	B 03 B	11/00	659-687	B 07 B	13/05	175	B 01 D	35/18			24/00
304	B 07 B	1/24	489	B 07 B	11/04			13/07		C 02 F	1/02	269-274	B 01 D	24/00
305,306	B 07 B	1/20	490	B 03 B	11/00			13/075	176	B 01 D	17/09			24/46
307,308	B 07 B	1/10		B 07 B		688-700	B 07 C	5/12	177-183	B 01 D	35/18			29/62
309-311	B 07 B	1/28	491	B 07 B	11/04	701	B 07 C	9/00		C 02 F	1/02			33/44
312	B 07 B	1/28	492-499	B 03 B	11/00	702-705	B 07 C	5/02	184-187	B 01 D	24/00			41/02
		7/06		B 07 B	11/00	706,707	B 07 C	5/00			29/00	275	B 01 D	24/00
313-320	B 07 B	1/28	500	B 03 B	5/22				188	B 01 D	19/00			24/46
321	B 07 B	1/28	501	B 07 B	5/22	U.S. Class 210			189	C 02 F	1/20			29/62
		7/06	502	B 03 B	5/20	LIQUID PURIFICATION OR SEPARATION				B 01 D	24/00			33/50
322-324	B 07 B	1/28		B 07 B		85	B 01 D	35/00	190,191	B 01 D	24/46	276-281	B 01 D	24/00
325-330	B 07 B	1/34	503-508	B 03 B	5/24			35/14			29/62			24/46
331	B 07 B	1/36	509	B 07 B	5/00	86-89	B 01 D	35/153		C 02 F	5/00			29/62
332	B 07 B	1/38		B 07 B				35/147	192	B 01 D		282	B 01 D	41/02
333-340	B 07 B	1/32		B 07 C	5/00			35/14		C 07 F				24/00
341-345	B 07 B	1/30	510,511	A 01 K	43/04	90	B 01 D	35/00		B 01 D	37/02	283-286	B 01 D	24/00
346-349	B 07 B	1/34	512-516	A 01 K	43/08			35/14	193	B 01 D		287-289	B 01 D	24/00
350,351	B 07 B	1/38	517-521	B 07 C	5/14			35/14	194-197	B 01 D	9/00			24/38
352-356	B 07 B	1/22	522-524	B 07 C	5/00			35/147	198.1	C 02 F	9/00			27/02
357	B 07 B	1/28	525	B 07 C	5/10			35/00		B 01 J	15/00			29/88
		1/08	526-530	B 07 C	5/00	91-95	B 01 D	35/14	198.2,198.3	B 01 D	15/08			35/02
358	B 07 B	1/08	531,532	B 07 C	5/12			61/00	199-202	B 01 D	15/00			35/28
359	B 07 B	1/04	533	B 07 C	5/07	96.1	B 01 D	21/24		B 01 J	20/00	290	B 01 D	24/00
360	B 07 B	1/28	534,535	B 07 C	5/00	96.2	B 01 D	24/38		B 01 D	35/00	291-293	B 01 D	24/12
361	B 07 B	1/08	536	B 07 C	5/10	97-105	B 01 D	25/30	203	B 01 D	25/12			24/22
362,363	B 07 B	1/00			5/12			29/88	204	B 01 D	35/00			35/28
364-366	B 07 B	1/42			5/00			33/70	205,206	B 01 D	35/00	294	B 01 D	27/14
366.5,367	B 07 B	1/44			5/00			29/88	207,208	B 01 D	24/00			29/50
368,369	B 07 B	1/42	537	B 07 C	5/00			33/70			29/00			9/00
370-378	B 07 B		538-545	B 07 C	5/02	106-108	B 01 D	24/46			33/00	295,296	B 01 D	24/00
379-381	B 07 B	1/50	546-552	B 07 C	5/00			29/62			35/00			25/00
382	B 07 B	1/54	553,554	B 07 C	5/00			33/44	209	B 01 D	27/00			27/00
383-390	B 07 B	1/52		G 06 F	7/10			35/00	210-217	B 01 D	33/00			29/00
391-421	B 07 B	1/49	555	B 07 C	5/00			41/00			33/06			35/00
422	B 07 B	4/00	556	B 07 C	5/00			21/24	218-221.2	B 01 D	35/06			36/00
423,424	B 03 B	5/00			5/08	109-116	B 01 D	24/38	222,223	B 01 D	1/02	297	B 01 D	33/00
		5/02	557-566	B 07 C	5/00			29/88		B 03 C	1/30			35/00
	B 07 B	4/00	567,568	B 07 C	5/344			33/70			1/48	298	B 01 D	25/32
	B 03 B	5/12	569	B 07 C	5/344	117	B 01 D	21/24		C 02 F	25/00			35/16
425-427		5/14		G 06 K	9/00			24/38	224	B 01 D	25/32			21/00
		5/16	570-575	B 07 C	5/344			29/88	225	B 01 D	33/00	299-306	B 01 D	24/48
		5/18	576-579	B 07 C	5/00			33/70			25/12			29/60
		5/20	580-582	B 07 C	5/342			29/88	226	B 01 D	25/164	307	B 01 D	21/00
		5/22	583,584	B 07 C	5/00	118,119	B 01 D	24/38	227-229	B 01 D	25/12			24/38
		5/24		G 06 K	9/00			33/70			25/172			33/70
428-433	B 03 B	5/08	585	B 07 C	5/00			35/00	230	B 01 D	25/00			43/00
434-436	B 03 B	5/04	586	B 07 C	5/04			29/88			29/62	308-313	B 01 D	21/00
		5/26			5/10			33/70	231	B 01 D	25/12			24/48
		5/52			5/12	120	B 01 D	35/00			25/172			33/70
		5/68	587,588	B 07 C	5/00	121	B 01 D				25/21			43/00
		5/70	589	B 07 C	5/00	122	B 01 D	33/00	232-243	B 01 D				21/00
		5/72			5/346	123-125	B 01 D	24/46		C 02 F	24/00			29/60
437-444	B 03 B	5/02	590,591	B 07 C	5/00	126	B 01 D	29/62	244-246	B 01 D	29/00			33/70
		5/74	592	B 07 C	5/16			33/44			35/00	314-318	B 01 D	24/00
445	B 03 B	5/48	593-595	B 07 C	5/28			35/22			27/02			27/00
		5/50	596	B 07 C	5/16			41/00			29/62			35/00
		5/52	597-599	B 07 C	5/34			35/00	247-251	B 01 D	9/00			29/00
		5/54	600	B 07 C	5/00	127-129	B 01 D	27/10		C 02 F	63/00	319,320	B 01 D	63/00
		5/56	601	B 07 C	5/12	130-133	B 01 D	35/14		B 01 D	9/00	321.6-321.9	B 01 D	1/44
		5/58	602	B 07 C	5/07			41/00		C 02 F	15/02			24/00
		5/68	603	B 07 C	5/12			21/30		B 01 D	24/00	322	B 01 D	25/00
		5/70	604,605	B 07 C	5/08	134-149	B 01 D	33/70	252-257.1	C 02 F	24/32			27/00
446-464	B 03 B	5/52	606,607	B 07 C	5/36	150,151	B 01 D	33/80		C 02 F	27/02			29/50
		5/54	608-613	B 07 C	5/36			35/00	257.2	C 02 F	33/46			33/00
		5/56		G 06 F	7/10				258-262	C 02 F	24/00			36/00
		5/58	614	B 07 C	7/04	153	B 01 D		263,264	B 01 D	29/00	323.1,323.2	B 01 D	24/00
		5/68	615-618	B 07 C	5/36			5/06			33/06			25/00
		5/70	619-628	B 07 C	5/06			5/14			24/00			27/00
465	B 03 B	5/48	629	B 07 C	5/00	154-162	B 01 D	33/00			29/62			27/14
		5/50	630	B 07 C	5/00			5/08			33/17			29/50
		5/52			7/00	163-166	E 02 B	5/06	265	B 01 D	33/46			33/00
		5/54	631	B 07 C	5/38			5/14			24/00			36/00
		5/56	632-634	B 07 C	5/04			9/00			29/00			24/00
		5/58	635	B 07 C	5/38						33/06			25/00
		5/68	636	B 07 C	5/344	167	B 01 D				24/00			27/00
		5/70	637-644	B 07 C	5/00						24/00			27/00
466,467	B 03 B	4/00	645	B 07 C	5/16	168	F 01 M		266	B 01 D	24/00			27/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 210—Con.			403,404	B 01 D	33/06	494 2,494.3	B 01 D	29/07	512 1-512.3	B 01 D	12/00	723-738	B 01 D	21/01
		29/00			33/09			27/00			17/00		B 03 D	3/00
		33/00			33/13			29/07			21/26		C 02 F	1/52
		36/02	405	B 01 D	21/24	495	B 01 D	29/085			33/15	739-746	C 02 F	1/00
324,325	B 01 D	33/00			25/30			29/07	513-540	B 01 D	33/27	747	B 01 D	7/00
326	B 01 D	33/06			29/88	496	B 01 D	35/00			12/00	748	C 02 F	17/06
327	B 01 D	33/00			33/04			27/02			43/00		B 01 D	35/06
		35/12			33/70			27/04	541,542	B 01 D	21/28		B 03 C	
		35/16	406	B 01 D	35/00			29/07	600	B 01 D			C 02 F	1/48
328	B 01 D	17/00	407-415	B 01 D	21/02	497.01	B 01 D	39/14				749-752	B 01 D	
		33/00			21/18			29/085	601	C 02 F	3/00		C 02 F	1/68
		35/12			25/32			29/11	602	C 02 F	3/32	753-756	C 02 F	1/76
		35/16			33/58			29/48	603,604	C 02 F	3/00	757	C 02 F	1/70
329-331	B 01 D	33/00			35/00	497.1	B 01 D	29/50	605	C 02 F	3/30	758,759	C 02 F	1/72
		35/12	416.1-416.5	B 01 D	24/00			29/07	606-619	C 02 F	3/00	760	C 02 F	1/78
		35/16			25/00			29/11	620-629	C 02 F	3/02	761-766	C 02 F	1/68
332-348	B 01 D	24/00			27/00			29/48	630	C 02 F	3/30	767	B 01 D	37/00
		25/00			29/00	497.2,497.3	B 01 D	29/50	631	C 02 F	9/00		B 01 D	61/00
		27/00			33/00			29/085	632	C 02 F	1/00		C 02 F	1/00
		29/00	417-428	B 01 D	21/24			29/11	633	B 01 D	3/00	768-771	B 01 D	37/00
		33/00			24/38			29/48			11/00		C 02 F	1/00
		35/16			25/30	498,499	B 01 D	29/50			1/26	772	B 01 D	24/46
		35/22			29/88			29/07	634	B 01 D	11/00			29/62
349	B 01 D	19/00			33/70	500 1	B 01 D	39/10			11/04			33/44
		35/00			35/00			24/00			1/26		C 02 F	1/00
350-352	B 01 D	24/00	429-432	B 01 D	35/02			39/00			1/44	773	B 01 D	11/02
		25/00	433.1,434	B 01 D	21/24	500.21	B 01 D	39/14	635	B 01 D	15/08		C 02 F	1/00
		27/00			24/38			39/00			1/28	774	B 01 D	35/18
		29/00			25/30			39/14	636,637	B 01 D	1/44		C 02 F	1/00
		33/00			29/88			63/00			1/44	775	B 01 D	17/00
		35/00			33/70			65/00	638	B 01 D	15/04		C 02 F	1/00
353	B 01 D	35/24			35/00	500 22	B 01 D	71/00			1/42	776	C 02 F	1/40
354-356	B 01 D	33/00	435-454	B 01 D	35/00			39/00	639,640	B 01 D	15/00		E 02 B	15/00
		35/00			35/28	500.23	B 01 D	39/14			1/44	777,778	B 01 D	37/02
357	B 01 D	33/00			24/00			33/21	641	B 01 D	61/00		C 02 F	1/00
358	B 01 D	24/00	455	B 01 D	25/00			39/14	642	C 02 F	1/44	779	B 01 D	37/00
		25/00			27/00			63/02			11/04		C 02 F	1/00
		27/00			29/00			63/06	643	B 01 D	17/00	780	B 01 D	24/28
		33/00			33/00			67/00			1/26			33/00
		35/00			35/00			69/00	644	B 01 D	11/00			33/03
359	B 01 D	24/28	456	B 01 D	21/24			69/04			61/00		C 02 F	1/00
		33/00			25/30	500.24,500.25	B 01 D	69/08			61/24	781,782	B 01 D	33/15
		35/00			29/00			39/00			1/44			33/27
		35/22			29/88	500 26	B 01 D	39/14	645-648	B 01 D	11/00		B 04 B	3/00
		1/38			33/70			39/00			61/00	783	C 02 F	1/38
360 1	C 02 F	24/32			35/28			71/04	649-651	B 01 D	61/00		B 01 D	33/04
	B 01 D	33/00			24/00	500 27	B 01 D	39/00			1/44		C 02 F	1/00
		35/00	457-463	B 01 D	25/00			39/14	652	B 01 D	61/00	784	B 01 D	33/06
		35/22			27/00			71/06			61/02		C 02 F	1/00
360 2-382	C 02 F	1/38			29/00	500 28	B 01 D	39/00			1/44	785	B 01 D	33/17
	B 01 D	33/00			33/00			39/14	653-655	B 01 D	61/00		C 02 F	1/00
		35/00			35/00	500.29	B 01 D	39/00			1/44	786	B 01 D	24/32
		35/22			24/38			39/14	656-659	B 01 D	15/08			24/36
383	C 02 F	1/38	464-469	B 01 D	29/88			71/10			1/28		C 02 F	33/46
	B 01 D	33/00			35/02	500.3	B 01 D	39/00	660-669	B 01 D	15/00		C 02 F	1/00
384	B 01 D	33/00	470-472	B 01 D	35/00			39/14			39/00	787-789	B 01 D	21/26
		33/03	473-481	B 01 D	24/00			71/16			1/42		B 04 B	
385	B 01 D	33/00			29/00	500.31-500.35	B 01 D	39/00	670-677	B 01 J	49/00		B 04 C	
		33/29			35/00			39/14			1/42		C 02 F	1/38
		33/35	482	B 01 D	24/00	500.36	B 01 D	39/00	678,679	B 01 D	15/00	790	B 01 D	37/00
386,387	B 01 D	33/00			29/00			39/14			1/42		C 02 F	1/00
388	B 01 D	24/30			33/17	500.37-500.41	B 01 D	71/26	680	C 02 F	1/42	791	B 01 D	24/46
		33/00			33/19			39/00	681	C 02 F	1/42			29/62
		35/20			35/00			39/14			9/04			33/44
389	B 01 D	33/00	483	B 01 D	24/02	500.42	B 01 D	39/00	682-688	C 02 F	1/42			35/22
		35/20			27/00			39/14	689-694	B 01 D	15/04			41/00
390	B 01 D	35/02			29/00			71/28			1/28		C 02 F	1/00
391	B 01 D	33/00			29/31	500.43	B 01 D	39/00	695	B 01 D	35/06	792-798	B 01 D	24/46
		33/58			39/00			39/14			1/30			29/62
		35/16	484,485	B 01 D	27/08	501	B 01 D	39/00			1/48			33/44
392,393	B 01 D	35/16			29/11	502 1	B 01 D	24/00	696	B 03 D	3/06		C 02 F	1/00
		35/22			29/50	503-505	B 01 D	39/02			1/00	799	B 01 D	17/02
394	B 01 D	33/06			35/00			39/04	697-701	C 02 F	1/00		C 02 F	1/00
395-397	B 01 D	33/00			35/30			39/06	702	B 01 D	21/00	800-803	B 01 D	21/00
		33/58	486,487	B 01 D	39/00			39/08			1/52			24/00
		35/16	488-492	B 01 D	29/00	506-509	B 01 D	24/00	703-707	B 01 D	1/00			29/00
398,399	B 01 D	33/00			29/46			39/12			1/00		C 02 F	1/00
		35/00	493.1	B 01 D	27/06			39/14			1/24	804	B 01 D	21/26
400,401	B 01 D	33/04			29/07	510.1	B 01 D	24/00	708	B 01 D	17/04		C 02 F	1/00
402	B 01 D	33/06	493.2-493.5	B 01 D	27/06			39/00			21/00	805	B 01 D	17/12
		33/067			29/07			41/00			1/00		C 02 F	1/00
		33/09			29/085	511	B 01 D	11/00	709-722	B 01 D	21/00	806	B 01 D	37/00
		33/13	494.1	B 01 D	27/00						1/52		C 02 F	1/00

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 210—Con.						U.S. Class 212						U.S. Class 213					
807 B 01 D 24/00						71 B 66 E 19/00						1 B 61 G 5/06					
808 B 01 D 43/00						72 B 63 B 27/18						2-6 B 61 G 5/02					
C 02 F 1/00						73-75 B 66 C 19/00						7 B 61 G 9/02					
C 02 F 1/00						76-123 B 66 C 21/00						10-49 B 61 G 9/02					
181,182 A 47 F 5/14						124-142 B 66 C 19/00						263-265 B 61 G 9/02					
183,184 A 47 F 5/00						142.1 B 66 C 11/00						266 B 66 C 23/64					
186-209 A 47 B 43/00						146-148 B 66 C 13/06						267-269 B 66 C 23/04					
						149 B 66 C 13/18						270,271 B 66 C 23/04					
						150 B 66 C 13/18											
						151 B 66 C 13/30											
						152 B 66 C 13/18											
						153-155 B 66 C 13/16											
						156 B 66 C 13/18											
						157,158 B 66 C 13/16											
						159 B 66 C 13/12											
						160 B 66 C 13/40											
						161 B 66 C 23/58											
						162-164 B 66 C 13/12											
						165 B 66 C 13/54											
						166 B 66 C 11/12											
						167,168 B 66 C 23/18											
						169 B 66 C 23/26											
						170 B 66 C 13/00											
						171 B 66 C 9/14											
						172 B 66 C 23/40											
						173,174 B 66 C 23/38											
						175 B 66 C 23/26											
						176 B 66 C 23/34											
						177 B 66 C 23/70											
						178 B 66 C 23/72											
						179 B 66 C 23/18											
						180,181 B 66 C 23/44											
						182 B 66 C 23/26											
						183-186 B 66 C 23/42											
						187 B 66 C 23/42											
						188 B 66 C 23/42											
						189 B 66 C 23/78											
						190-192 B 66 C 23/52											
						193,194 B 66 C 23/60											
						195 B 66 C 23/72											
						196-198 B 66 C 23/76											
						199-203 B 66 C 23/00											
						204 B 66 C 23/28											
						205 B 66 C 17/00											
						206 B 66 C 19/00											
						207 B 66 C 11/02											
						208 B 66 C 21/04											
						209 B 66 C 5/04											
						210 B 66 C 19/00											
						211 B 66 C 17/00											
						212 B 66 C 11/08											
						213 B 66 C 17/00											
						214 B 66 C 19/00											
						215 B 66 C 9/14											
						216,217 B 66 C 11/16											
						218,219 B 66 C 11/02											
						220 B 66 C 11/12											
						221 B 66 C 17/06											
						222 B 66 C 23/92											
						223 B 66 C 23/02											
						224 B 66 C 1/10											
						225-228 B 66 C 7/00											
						229 B 66 C 23/62											
						230,231 B 66 C 23/04											
						232,233 B 66 C 23/06											
						234 B 66 C 23/00											
						235 B 66 C 23/08											
						236 B 66 C 23/60											
						237 B 66 C 23/82											
						238 B 66 C 23/00											
						239-241 B 66 C 23/82											
						242 B 66 C 1/00											
						243 B 66 C 1/42											
						244 B 66 C 23/26											
						245-248 B 66 C 23/84											
						249 B 66 C 23											

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 217—Con.														
35	B 65 D	85/00	10.77	H 05 B	6/64	73.1	B 23 K	25/00	109-111	B 23 K	11/24	150-152	B 21 J	5/08
		85/30		H 05 B	1/02	73.11	B 23 K	25/00			9/10		H 05 B	1/00
36	B 65 D	85/68			6/06	73.2	B 23 K	9/04	112	B 23 K	11/24	153-154	B 21 J	5/06
37,38	B 65 D	85/34	10.79	H 05 B	6/64	73.21	B 23 K	9/18			9/06		H 05 B	1/00
40	B 65 D	6/08	10.81	H 05 B	6/36	74	B 23 K	9/04	113-116	B 23 K	11/26	155-157	C 21 D	9/62
42	B 65 D	81/24	50	B 23 K	9/067			9/16			9/10		H 05 B	1/00
		6/16			9/073			9/167	117.1	B 23 K	11/24	158-161	B 21 J	13/08
43	B 65 D	8/14		H 05 B	1/00	75	B 23 K	35/38	118	B 23 K	11/00	162	H 05 B	1/00
		6/16			3/00			9/16			9/00		C 21 D	1/40
44-48	B 65 D	8/00			7/00			9/24	119,120	B 23 K	9/24	200,201	H 05 B	1/00
49	B 65 D	6/08	51	B 21 L	11/00	76.1	B 23 K	35/38			11/30			3/00
51	B 65 D	81/02		H 05 B	3/02	76.11	B 23 K	9/04	121.11-121.35	H 05 B	3/03	202-208	B 60 L	1/02
52-55	B 65 D	85/30		B 21 L	1/00	76.12	B 23 K	9/32	121.36-121.59	B 23 K	15/00	209-221	H 05 B	1/00
56	B 65 D	6/40	52	H 05 B	3/00	76.13	B 23 K	9/04			9/02			3/00
		43/00		H 05 B	1/00	76.14	B 23 K	28/00	121.6,121.61	B 23 K	9/02			11/00
57,58	B 65 D	43/16	53	H 05 B	1/00	76.15	B 23 K	9/04	121.62	B 23 K	26/00	222	A 45 D	1/04
59	B 65 D	43/20	54	B 23 K	9/00	76.16	B 23 K	25/00	121.63-121.66	B 23 K	26/04			2/36
60,61	B 65 D	43/24			9/007			9/18	121.67	B 23 K	26/00			4/06
62,63	B 65 D	43/12	55	B 23 K	11/00	76.17	B 23 K	10/00			26/14			4/12
64	B 65 D	25/02	56	B 23 K	1/00	77	B 23 K	11/00	121.68,121.69	B 23 K	26/16	223	A 45 D	26/00
65	B 65 D	6/34			9/00	78.01-78.15	B 23 K	9/04			26/14	224	A 45 D	1/20
66-71	B 65 D	63/00	56.1-56.22	B 23 K	11/00	78.16	B 23 K	11/00			26/16			2/36
		8/16	57	B 23 K	15/00	79.80	B 23 K	9/12	121.7-121.72	B 23 K	26/18			4/14
72-74	B 65 D	25/00			1/00	81-84	B 23 K	11/00	121.73-121.75	B 23 K	26/00	225	A 45 D	4/16
		25/02			9/00	85.1	B 23 K	11/06	121.76,121.77	B 23 K	26/06	226	A 45 D	1/04
75	B 65 D	43/00			11/02	85.11	B 23 K	1/015	121.78	B 23 K	26/02			20/00
76,77	B 65 D	39/12	58	B 23 K	11/04	85.12	B 23 K	1/00			26/08			20/08
78-80	B 65 D	43/00			15/00	85.13	B 23 K	6/02	121.79	B 23 K	26/02	227	H 05 B	1/00
81-85	B 65 D	25/02			9/00	85.14	B 23 K	3/00	121.8	B 23 K	26/08			3/02
86	B 65 D	43/00			11/00	85.15	B 23 K	26/00			26/10			11/00
87	B 65 D	43/00	59.1	B 23 K	15/00			1/00	121.81-121.83	B 23 K	26/02	228	H 05 B	1/00
88	B 65 D	43/22			9/00	85.14,85.15	B 23 K	1/002	121.84	B 23 K	26/00			3/20
89	B 65 D	45/00			11/00			1/015			26/14	229-242	H 05 B	1/00
90-95	B 65 D	25/00	60,60.2	B 23 K	9/02			1/00			26/16			3/42
96	B 65 D	25/00	61-61.7	B 23 K	31/02	85.16	B 23 K	1/015	121.85	B 23 K	26/00	243,244	H 05 B	1/00
97	B 65 D	39/00	62	B 23 K	1/16	85.17	B 23 K	11/24	121.86	B 23 K	26/12			3/02
98-114	B 65 D	25/28	63-66	B 23 K	11/08	85.18	B 23 K	3/00	122	B 23 K	9/00	245	D 06 F	75/08
122-124	B 65 D	25/32			1/16	85.19	B 23 K	3/04	123	B 23 K	9/08	246	D 06 F	
125	B 65 D	25/20	67	B 23 K	11/30	85.2	B 23 K	1/00	124.01-124.03	B 23 K	9/06	247	D 06 F	75/28
		81/00	68	B 23 H	31/02			3/00	124.1-126	B 23 K	9/12			75/40
126	B 65 D	85/00			1/00	85.21	B 23 K	31/02	127,128	B 23 K	9/00	248	D 06 F	75/26
127	B 65 D	81/38			5/00	85.22	B 23 K	1/00	129	B 23 K	1/002	249	D 06 F	75/08
128	B 65 D	81/18			7/00			1/00			1/005	250-253	D 06 F	75/26
129	B 65 D	81/38	69.1,69.11	B 23 H	9/013			35/12	130.01	B 23 K	1/008	254,255	D 06 F	75/24
130	B 65 D	81/18			15/08	85.2	B 23 K	35/14			1/012	256,257	D 06 F	75/26
131	B 65 D	6/10	69.12	B 23 H	35/14			35/24	130.1-130.33	B 23 K	1/015	258	D 06 F	75/24
		81/38			35/24	85.21	B 23 K	3/06	130.4	B 23 K	9/10	259	D 06 F	75/08
					1/00			35/02	130.5,130.51	B 23 K	9/06	260	F 23 Q	7/00
					1/04	85.22	B 23 K	1/002	132-134	B 23 K	9/10	261	F 23 Q	7/04
					7/00			1/015			7/11	262-266	F 23 Q	7/00
					7/02			1/19	136,137	B 23 K	9/00	267	F 23 Q	7/22
					7/04	86.1,86.21	B 23 K	9/28	137.2	B 23 K	9/28	268	F 23 Q	7/16
					7/06	86.22	B 23 K	9/10	137.3	B 23 K	9/10			7/18
					7/08	86.23	B 23 K	9/18	137.41,137.42	B 23 K	9/16	269,270	F 23 Q	7/22
					7/10	86.24	B 23 K	9/28	137.43-137.51	B 23 K	9/28	271	F 22 B	1/28
					1/00	86.25	B 23 K	9/32	137.52	B 23 K	9/12	272-276	F 22 B	
6.5	H 05 B	6/00	69.13	B 23 H	7/14	86.31	B 23 K	37/02	137.61	B 23 K	9/12	277,278	H 05 B	3/02
7.5	B 23 H	5/00	69.14	B 23 H	1/08	86.32	B 23 K	9/28	137.62	B 23 K	9/12	279	F 27 D	11/00
		7/00			1/10	86.33	B 23 K	11/10	137.63	B 23 K	9/32	280	H 05 B	1/00
		9/00	69.15	B 23 H	1/04			11/30	137.7	B 23 K	9/12			3/00
		11/00			1/06	86.41	B 23 K	9/12	137.71	B 23 K	9/10			7/18
		6/00	69.16	B 23 H	7/18	86.51	B 23 K	37/02	137.8	B 23 K	9/12			11/00
		6/00			7/26	86.61	B 23 K	9/12	137.9	B 23 K	9/32	281	F 24 H	1/00
8.5	H 05 B	13/00			7/28	86.7	B 23 K	37/02	138-144	B 23 K	9/28		H 05 B	1/00
9.5	B 23 K	6/00			7/30	86.8	B 23 K	9/32			7/10			3/00
10.41-10.47	H 05 B	6/02			7/32	86.9	B 23 K	9/12	145.1	B 23 K	35/02			7/18
10.491	H 05 B	6/16	69.17	B 23 H	5/00	87-90	B 23 K	9/28	145.21	B 23 K	35/04			11/00
		6/22			9/00			11/10	145.22-145.41	B 23 K	35/02	282	F 24 H	1/00
		6/34			9/00	91.1-91.23	B 23 K	11/10	146.1	B 23 K	35/22		H 05 B	1/00
		6/36	69.18,69.19	B 23 H	1/02	92-94	B 23 K	9/28	146.21	B 23 K	35/32			3/00
10.492	H 05 B	6/14	69.2	B 23 H	7/30	95.96	B 23 K	11/00	146.22-146.24	B 23 K	35/34			7/18
10.493	H 05 B	6/12			9/24			9/22	146.3	B 23 K	9/12			11/00
10.51	H 05 B	6/00			9/30			11/12			35/365	283-295	H 05 B	3/60
10.53	B 23 K	13/02			11/12	97-100	B 23 K	9/00			35/368	296	F 24 H	1/10
		15/04	70	B 23 K	9/00			11/04	146.31	B 23 K	35/24		H 05 B	1/00
10.55	B 23 K	15/10	71	B 23 K	37/00	101-107	B 23 K	9/02	146.32-146.52	B 23 K	35/34			3/00
		6/64	72	B 23 K	9/16			11/02	147	B 23 K	9/32			11/00
10.57-10.71	H 05 B	6/64			13/06			11/04	148	B 23 K	11/00	297	F 24 H	1/20
10.73	H 05 B	6/00			35/38	108	B 23 K	9/10	149	B 21 J	1/06		H 05 B	1/00
10.75	B 23 K	13/01	73	B 23 K	9/18			11/04			1/00			3/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 219—Con.														
298,299	F 24 H	11/00	378	F 24 H	1/00	2.2	H 01 K	3/22	211	B 65 D	55/00	352,353	B 65 D	43/04
	H 05 B	1/10		H 05 B	3/02	2.3	H 01 K	1/42	212	B 65 D	41/56		B 65 D	43/08
		1/00			11/00	3	F 25 J				51/26	354,355	B 65 D	43/06
		3/00			7/00	3.1	A 47 J	41/00			51/28	356,357	B 65 D	43/08
300	F 24 H	1/14		H 05 B	1/00	3.2-3.94	H 02 G	3/08			51/30	358	B 65 D	53/00
	H 05 B	1/00			3/02	4	B 65 D	6/00			51/32	359	B 65 D	41/00
		11/00			11/00			6/12	213	B 65 D	51/12	360-374	B 65 D	51/16
301	F 24 H	1/14	379-382	F 24 H	3/00			6/16	214	B 65 D	53/00	375	B 65 D	55/16
	H 05 B	1/00		H 05 B	1/00	5	B 65 D	6/00			55/02	376,377	B 65 D	51/00
		3/00			3/02			8/00	215	B 65 D	6/10	378	B 65 D	53/00
		11/00			11/00	6-8	B 65 D	6/12	216	B 65 D	88/34	379,380	B 65 D	43/03
301	F 24 H	1/10	383,384	H 05 B	7/18			6/16	217	B 65 D	88/48		B 65 D	55/00
	H 05 B	1/00	385	F 27 D	11/00			6/28	218	B 65 D	88/36	400-470	B 65 D	90/04
		3/00	386	F 24 C	7/10			8/14	219	B 65 D	88/38	900-902	B 65 D	
		11/00		F 27 D	11/00	9.1	B 65 D	30/10	220	B 65 D	88/40			
302	F 24 H	1/20	387	A 21 B	1/52			33/02	221	B 65 D	88/42			
	H 05 B	1/00		F 27 D	11/00	9.2,9.3	A 45 C	7/00	222	B 65 D	88/34			
		3/00	388	F 27 B	9/06			13/04	223	B 65 D	88/44			
		11/00		F 27 D	11/00			13/26	224	B 65 D	88/46			
303,304	F 24 H	1/15	389	F 27 B	7/00			30/10	225	B 65 D	88/48			
	H 05 B	1/00		F 27 n	11/00			33/02	226	B 65 D	17/28			
		3/00	390	F 27 B	5/14	17.1	B 65 D	25/20			88/50			
		11/00		F 27 D	11/00	17.2	B 65 D	25/32	227	B 65 D	88/38			
305	F 24 H	1/12	391	A 21 B	1/00	17.3	B 65 D	25/20	228	B 65 D	53/06	2-10	G 07 F	11/00
	H 05 B	1/00			1/22	18	B 65 D	25/24	229,230	B 65 D	51/00	11	G 07 F	11/12
		3/00		F 27 D	11/00	18.1	B 65 D		231	B 65 D	51/16	12-14	G 07 F	11/00
		11/00	392	A 21 H	1/00	19	B 65 D	85/04	232-240	B 65 D	53/00	15,16	B 65 B	59/00
306-309	F 24 H	1/10		F 27 D	1/22	20-23	B 65 D	1/24	241,242	H 02 G	3/14	17	B 65 H	7/00
	H 05 B	1/00			5/00			1/36	243-251	B 65 D	45/00		G 07 F	11/00
		3/00	393-414	A 21 B	1/00			57/00	252	B 65 D	43/14	18-20	B 65 H	7/18
		11/00			1/22	23.2-23.86	A 47 G	85/00	253-256	B 65 D	51/18	21-23	B 65 G	59/00
310-315	F 24 H	1/18		F 27 D	11/00			19/00	257	B 65 D	51/20		B 65 H	3/00
	H 05 B	1/00	415-419	F 27 D	11/00	62	B 65 D	21/02	258	B 65 D	51/22		G 07 F	11/00
		3/00	420-427	F 27 B	14/00	66-70	B 65 D	25/00	259	B 65 D	43/16	24	A 24 F	15/04
316,317	H 05 B	1/00	428-442	F 27 D	11/00			6/34			43/18		G 07 F	11/00
		3/78	443-468	H 05 B	3/68			8/04			51/18	25	G 07 F	11/66
		11/00	469-471	B 21 B	27/06			8/06	260	B 65 D	17/50	26	B 65 H	3/58
318	H 05 B	1/00		H 05 B	3/02	70.1	B 65 D	8/08			41/02	27-29	A 47 F	1/00
		3/80	472-476	H 05 B	3/02			6/34	261	B 65 D	41/00		G 07 F	11/00
		11/00	477	B 23 K	13/08			8/04	262-264	B 65 D	43/26	30-32	G 07 F	11/72
319-321	H 05 B	1/00		H 05 B	3/02			8/06	265	B 65 D	41/02	33-35	B 65 H	1/00
		3/78	478-481	H 05 B	3/02	71,72	B 65 D	8/08			41/32	36-43	B 65 H	3/00
		11/00	482	B 23 K	13/08			6/34	266	B 65 D	41/32	44-55	A 47 K	10/24
322-324	F 24 H	1/00			15/02			8/04	267	B 65 D	17/30		B 65 H	1/00
		3/02	483-489	H 05 B	3/02			8/06	268	B 65 D	17/32	56-60	B 65 H	1/08
325	F 24 F	7/00	490-506	H 05 B	3/02	72.1	B 65 D	8/08	269-273	B 65 D	17/34	61-63	B 65 H	1/00
	H 05 B	1/00	507,508	H 05 B	1/02			6/34	274	B 65 D	17/36	64,65	B 65 D	83/00
		3/02	509-519	H 05 B	3/02			8/04	275	B 65 D	17/38	66	A 47 F	1/04
		11/00	520-527	H 05 B	1/02			8/06	276	B 65 D	17/40		G 07 F	11/00
326	F 24 H	7/02	528,529	H 05 B	3/06	73,74	B 65 D	8/08	277	B 65 D	17/42	67	B 65 G	59/00
	H 05 B	1/00			3/34			6/34	278	B 65 D	17/44		G 07 F	11/08
		3/02	530	H 05 B	3/54			8/04	279	B 65 D	17/46	68	B 65 G	59/00
		11/00			3/06			8/06	280	B 65 D	17/48		B 65 H	1/00
327-338	F 24 H	1/00	531-533	H 05 B	3/50			8/08	281,282	B 65 D	43/04	69	G 07 F	11/00
	H 05 B	1/00	534	H 05 B	3/06	75-81	B 65 D	25/00	283	B 65 D	43/16	70-74	B 65 H	5/28
		3/02	535	H 05 B	3/40	82	B 65 D	25/54	284-286	B 65 D	17/52		G 07 F	11/68
		11/00	536,537	H 05 B	3/58	82.5	A 47 J	31/04			43/26	75-89	G 07 F	11/00
339,340	F 24 H	3/00	538,539	H 05 B	3/06	83,84	B 65 D	6/10	287	B 65 D	51/00		G 07 F	11/06
	H 05 B	1/00	540	H 05 B	3/02			8/04	288-292	B 65 D	41/04	91	G 07 F	11/00
		3/02	541	H 05 B	3/08			90/02	293-302	B 65 D	41/06	92	B 65 G	59/00
341	F 24 H	7/00	542	H 05 B	3/06	85	B 65 D	6/12			41/36		B 65 H	1/00
	H 05 B	1/00	543	H 05 B	3/16			6/40	303	B 65 D	51/16		G 07 F	11/00
		3/02	544	H 05 B	3/44			25/00	304	B 65 D	53/00	93-95	B 65 H	3/44
342-349	F 24 H	9/02	545	H 05 B	3/50	86	B 65 B	90/12	305	B 65 D	51/12		G 07 F	11/00
	H 05 B	1/00			3/54			41/16	306	B 65 D	41/18	96-102	A 47 F	1/00
		3/02	546	H 05 B	3/02	87-90	B 65 D	3/00			41/18		G 07 F	11/00
		11/00	547,548	H 05 B	3/10	90.2-90.6	A 47 G	25/00	307,308	B 65 D	39/00	103-111	B 65 G	59/00
350-364	F 24 H	3/00	549	H 05 B	3/34	91,92	B 65 D	19/22	309,310	B 65 D	41/10		B 65 H	3/00
	H 05 B	1/00			3/54	93	B 65 D	25/32			41/12		G 07 F	11/12
		3/02	550,551	H 05 B	3/02	94-96	B 65 D	25/10	314	B 65 D	41/14	112-118	B 65 G	59/00
		11/00	552,553	H 05 B	3/10	200	B 65 D	7/28	315-318	B 65 D	45/28		B 65 H	3/00
365	F 24 H	7/00						6/40	319,320	B 65 D	45/32	119-122	B 65 G	59/00
	H 05 B	1/00						35/44	321	B 65 D	45/34		B 65 H	1/00
		3/02						39/00	322	B 65 D	45/04		G 07 F	11/00
		11/00						41/00	323	B 65 D	45/28	123-132	B 65 G	59/00
366-368	F 24 H	9/02						43/00	324-326	B 65 D	45/16		B 65 H	3/44
	H 05 B	1/00						45/00	327,328	B 65 D	45/00		G 07 F	11/00
		3/02						47/00	329-334	B 65 D	43/14	133	B 65 H	1/00
369-372	F 24 H	1/00						51/00			51/04		G 07 F	11/10
	H 05 B	1/00						53/00	335	B 65 D	43/24	134	B 65 G	59/00
		3/02						55/00	336	B 65 D	43/18	135-150	A 24 F	27/14
		11/00						90/54	337-343	B 65 D	43/14		B 65 D	83/00
373-377	F 24 H	3/00						51/16	344	B 65 D	51/04		G 07 F	11/72
								202-209			53/00	151-153	B 65 G	59/00
								210			43/20		B 65 H	3/00

U.S. Class 221

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CONCORDANCE 1990—United States to International Patent Classification

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CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 223—Con.			154	A 45 F	4/04		B 65 D	25/00	U.S. Class 226					15/60
			155	A 45 F	4/02			33/02	ADVANCING MATERIAL OF					17/60
			156	A 45 F	4/06	232,233	B 26 B	29/02	INDETERMINATE-LENGTH					19/60
10	A 42 C	1/08			4/08		F 41 B	13/04						21/60
11	A 42 C	1/00				234	A 45 F	5/14						23/60
12-17	A 42 C	1/04	157	A 45 F	1/00	235-237	B 65 D		1	B 65 H	16/00			27/60
18	A 42 C	1/08		A 61 G	5/00	238	F 41 C	33/02			18/00			29/60
19	A 42 C	1/00			1/00	239	F 42 B	39/02	2	B 65 H	23/00			31/60
20,21	A 42 C	1/08	158	A 61 G	5/00	240,241	B 65 D		3	B 65 H	23/02			33/60
22-26	A 42 C	1/00			1/00	242	B 65 D	25/10	4	B 65 H	23/18			35/60
27	A 41 H	43/00	159-161	A 61 G	1/00	243,244	F 41 C	33/02	5	B 65 H				39/60
28-36	A 41 H	43/00	162	B 65 H	75/40	245	B 65 D	25/04	6	B 65 H	20/00			41/60
	D 05 B	35/08	163	A 44 B	11/00			25/10	7	B 65 H	20/14	21-24	B 31 B	1/68
	D 06 J	1/00	164,165	A 44 C	5/00	246	B 65 D	25/10	8	B 65 H	20/00	25	B 27 F	7/17
37,38	A 41 H	33/00	166-169	A 44 C	5/14	247,248	A 45 F	5/00	9-16	B 23 Q	15/00	26	B 27 F	4/00
39-51	A 41 H	43/00	170	A 44 C	5/00	249	A 45 F	5/00			16/00	27	B 27 F	7/00
52-52.6	D 06 C	15/00	171-174	A 44 C	5/00	250	A 45 F	3/14	17-19	B 23 Q	15/00	28,29	A 43 B	21/36
53	A 41 C	1/00	175	A 44 C	5/00	251-253	A 45 F	5/00			16/00	30	B 27 F	7/00
54-66	D 06 C	15/00			5/04	254	A 45 F	3/14			26/00	31-38	A 41 H	37/00
67	A 41 H	5/02	176	A 44 C	5/18	255,256	A 45 F	5/00			43/00	39,40	B 27 F	7/00
68,69	A 41 H	5/00	177	A 44 C	5/14	257,258	A 45 F	3/14	20-26	B 23 Q	15/00		B 27 M	3/34
70	A 41 H	5/00	178	A 44 C	5/12	259,260	A 45 F	3/04			16/00		B 31 B	13/60
	D 06 F	73/00	179	A 44 C	5/10	261-263	A 45 F	3/08			26/00	41,42	A 43 D	69/00
71	A 41 H	5/00	180	A 45 C	11/10	264	A 41 F	15/02			43/08			71/00
72-74	D 06 C	15/00	181	A 42 B	1/24						23/04			75/00
75-77	D 06 C	5/00		A 45 B	11/04	265,266	A 45 F	3/12	27	B 65 H	23/18		B 27 F	7/02
78-80	A 41 D	1/00		A 45 F	3/14	267-272	A 45 F	5/00	28-33	B 65 H	23/16	43,44	B 27 F	7/02
81-84	D 06 C	15/00	182	A 45 F	5/02	273	B 60 R	7/00	34-36	B 65 H	23/18	45	B 27 F	7/02
85-98	A 41 D	27/22	183	A 45 F	5/00			7/12	37-42	B 65 H	15/00		B 31 B	13/02
99	D 05 B	87/00	184	A 45 F	3/14			7/14	43-48	B 23 Q	16/00	46	B 27 F	7/02
100	D 05 B	97/00	185	A 45 F	5/00			9/00			26/00	47	B 27 F	7/02
101	D 05 B	91/04		G 03 B	17/00			9/00					B 31 B	13/14
102-104	D 05 B	85/00	186-190	A 45 B	11/02	274	B 60 R	9/00	49-51	B 65 H		48	B 27 F	7/02
105	A 47 H	3/00	191	A 45 F	5/00	275-282	B 60 R	7/00	52	G 03 B	1/18		B 42 B	4/00
106-109	A 41 H	31/00		B 65 D		309	B 60 R	9/00	53	B 65 H	20/00			5/00
111	A 47 G	25/80	192,193	F 41 C	33/00	310	B 60 R	9/00	54	G 03 B	1/20			1/12
		25/90	194	A 45 F	5/02			9/00	55-61	G 03 B	1/22	49	B 27 F	7/02
112	A 47 G	25/90	195	A 45 F	5/00			9/04	62-73	G 03 B	1/30	50	B 27 F	7/02
113-117	A 47 G	25/80		F 42 B	39/02	311	B 60 R	7/00	74,75	G 03 B	1/24		B 42 D	3/00
118,119	A 47 G	25/82		B 65 D	83/00	312	B 60 R	7/00	76-86	G 03 B	1/34	51-62	B 21 J	15/13
120	A 41 H	5/00		B 65 G	59/00			7/05	87	G 03 B	1/34	63	B 25 C	11/00
			196	A 01 K	97/04	313	B 60 R	7/10	88	B 65 H	23/34	64	B 21 D	
			197		97/06			7/10	89-92	G 03 B	1/56	65-66	B 27 F	7/00
				B 65 D	25/52	314	B 60 R	9/00	93-97	B 65 H	20/00	67-75	A 43 D	69/00
				F 41 C	33/02			9/04	100-108	B 65 H	20/24	76-78	B 25 C	
			198	B 65 D	39/08	315	B 60 R	9/00	109-117	B 65 H	20/24		B 27 F	7/00
			199		43/00	316	B 60 R	9/00	118	G 11 B	15/56	79,80	A 43 D	61/00
05	A 45 C	7/00	200	A 01 K	97/10			9/05	119	B 65 H	20/24	81	B 27 F	7/17
29.5	B 60 R	9/00	201	A 45 F	3/10	317-319	B 60 R	9/00	120-143	B 65 H	20/00	82-91	B 25 C	5/04
		11/00	202	A 45 F	3/02	320	B 60 R	9/00	144-151	B 65 H	23/06			5/08
30-35	B 62 J	9/00	203	F 42 B	39/02			9/045	152-183	B 65 H	20/00	92	B 21 D	13/04
		11/00	204	A 45 F	3/02	321	B 60 R	9/00	184	G 03 B	1/46			13/02
36	B 62 J	7/06	205	A 45 C	13/30	322	B 60 R	9/00	185-194	B 65 H	20/00	93-98	A 43 D	69/12
37-42	B 62 J	7/00		A 45 F	3/02	323	B 60 R	9/052	195	B 65 H	23/04		B 27 F	7/00
		9/00			3/14	324	B 60 R	9/00	196	G 03 B	1/48	99-106	B 25 C	5/00
		11/00	206	B 65 D	33/14			9/00	197,198	B 65 H	23/32		B 27 F	7/00
42 01	B 60 R	7/00		A 45 F	5/00	325-327	B 60 R	9/048	199	B 65 H	23/32	107	B 25 C	3/00
		5/00	207	F 41 C	33/02	328	B 60 R	9/00		G 03 B	1/50			5/00
42.03-42.05	B 60 R	11/00	208	A 45 C	13/30			9/055	200	B 65 H	27/00		B 27 F	7/00
		9/00	209	A 45 F	3/14	329	B 60 R	9/00				108	B 31 B	1/70
42.06	B 62 D	43/00	210-212	A 45 F	3/08			9/058					B 25 C	5/02
42.07-42.11	B 60 R	9/00	213-216	A 45 F	3/04	330,331	B 60 R	9/00						5/04
		11/00	217	A 41 D	19/00									5/08
42.12-42.3	B 62 D	43/00		B 65 D										7/00
42.31-42.44	B 60 R	7/00		A 45 C										1/70
		9/00		A 45 F	3/14									5/02
		11/00	218,219	A 45 C	3/14									5/06
42.45,42.46	B 60 R	7/00		A 45 F	3/14									7/00
		7/10	220	A 45 C	3/14									5/00
		9/00		A 45 F										7/00
		11/00	221	A 44 C	5/18									1/04
44.5	E 04 G	21/16		A 45 F	3/14	1-5	B 26 F	3/00						5/02
101	A 45 F	5/00	222	A 45 C	13/30			3/02						5/06
103	A 01 K			A 45 F	3/14		B 65 H	35/00						1/00
148	A 45 F		223	A 45 F	5/00			35/10				131-133	B 25 C	5/02
149	A 45 F			F 42 B	39/02	6-92	B 26 F	3/02						5/06
	F 41 C	33/02	224-226	A 45 F	3/00		B 65 H	35/10						7/00
150	F 41 C	33/00		B 65 D		93-106	B 26 F	3/00				134	B 25 C	5/02
		33/00	227,228	A 45 F	3/00			3/02						5/06
151	A 45 C	15/00		F 42 B	39/02		B 65 H	35/00						7/00
	A 45 F	4/00	229	A 45 C	1/04			35/10				135-139	B 25 C	5/02
152	A 44 C	5/00	230	B 65 D										5/06
	A 45 F	4/00		F 41 C	33/02									5/16
153	A 45 F	4/02	231	A 45 C	13/36								B 27 F	7/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 227—Con.														
140-155	B 25 C	7/00	58	B 23 K	20/26	224	B 23 K	31/02	82	B 65 D	27/22	64-66	G 07 D	1/00
156	B 25 C		59	B 23 K	1/00			31/02	83	B 65 D	27/30	U.S. Class 234		
	B 27 F				5/22	225-232	B 23 K	35/36	84	B 65 D	27/22	SELECTIVE CUTTING (E.G.,		
			60	B 23 K	37/00			31/02	87	B 65 D	65/00	PUNCHING●		
					1/00	233-237	B 23 K	31/02	87.2	B 65 D	75/00			
					5/00	238-241	B 23 K	31/02			65/04			
			101,102	B 23 K	31/12			35/24	87.5	B 65 D	75/24			
			103	B 23 K		242,243	B 23 K	35/24			75/34			
			104-106	B 23 K	20/08	244	B 23 K	3/06	89-91	B 65 D	65/00	1-3	G 06 K	1/00
			107-109	B 23 K	1/06			5/22			75/00	4-12	G 06 K	15/00
			110,111	B 23 K	5/20	245-255	B 23 K	35/12			85/00	13-21	G 06 K	1/18
					20/10	256-262	B 23 K	35/12	92	B 65 D	65/00	22-34	G 06 K	1/04
					20/12			35/12	92.1-92.7	B 65 D	27/00			1/14
			112-117	B 23 K	31/02	263.11	B 23 K	1/19	92.8	B 42 D	15/00	35-37	G 06 K	1/20
					1/20			20/16	92.9	B 65 D	27/00	38-40	G 06 K	1/02
			118	B 23 K	20/18			20/22			37/00	41-58	G 06 K	1/00
					31/02			35/24	93	B 65 D	3/04	59-83	G 06 K	1/04
					31/00	263.12	B 23 K	35/36	100-103	B 65 D	5/00			1/14
			119	B 23 K	31/02	263.13-263.21	B 23 K	35/22	103.1	B 65 D	77/28	84-94	G 06 K	1/08
					31/02	264	B 23 K	1/018	104-116	B 65 D	5/00			1/10
			120-124	B 23 K	31/02			28/00	117	B 65 D	5/10	95-131	B 26 F	1/04
			125	B 23 K	31/00	265	B 23 K	31/02	118-120	B 65 D	5/00		G 06 K	1/08
			126-134	B 21 D	39/04				120 01	B 65 D	23/00			1/10
				B 23 K	1/00				120 02-120 38	B 65 D	25/04			
			135	B 23 K	9/00				121,122	B 65 D	5/00			
					9/09	U.S. Class 229			122.1,122.2	B 65 D	5/72			
					9/23	ENVELOPES, WRAPPERS AND			123	B 65 D	5/00			
					9/235	PAPERBOARD BOXES			123 1	B 65 D	43/02			
					31/00				123.2,123.3	B 65 D	43/14			
			136-139	B 23 K	31/00	1.5	B 65 D	3/00	124-125.07	B 65 D	43/00			
			140	B 23 K	9/00	2.5	B 65 D	1/00	125.08-125.11	B 65 D	43/16	1	G 06 F	
					9/09	3.1	B 65 D	5/40			43/18		G 07 G	
					9/23			5/56	125.12	B 65 D	43/12	2.3	G 07 G	1/00
					9/235			5/62			43/20	4.5	G 07 G	5/00
					31/00			25/14	125.13-125.16	B 65 D	43/00	6-12	G 07 G	1/00
			141.1	B 21 D	21/00			1/00	125.17	B 65 D	43/04	13	G 07 F	1/00
					35/00	3.5	B 65 D	3/00	125.18	B 65 D	43/02	14-28	G 07 G	1/00
			142-146	B 21 D	39/00			5/00	125.19	B 65 D	43/08	29	G 07 B	15/00
				B 23 K	31/02			13/00	125.21-125.23	B 65 D	43/08	30	G 07 B	13/00
			147	B 21 D	39/00			13/00			43/22	31	G 07 B	3/00
				B 23 K	31/02	4.5	B 65 D	3/00	125.24-125.32	B 65 D	43/08	32-49	G 07 B	15/00
					37/047	5.5-5.7	B 65 D	3/10	125.33-125.35	B 65 D	43/14	50-56	G 07 C	13/00
					37/053			5/00	125.36	B 65 D	43/00	57	G 07 C	13/02
			148-172	B 21 D	39/00			13/00	125.37-125.41	B 65 D	43/22	58-60.52	G 06 C	29/00
				B 23 K	31/02	5.8	B 65 D	1/00	125.42	B 65 D	5/74		G 06 K	
			173 1-173 7	B 21 D	39/00	6	B 65 D	1/00	126-136	B 65 D	5/00	61	G 06 F	
				B 23 K	1/20			5/00	137-140	B 65 D	5/08	62.63	G 06 C	23/00
					31/00			13/00	141-154	B 65 D	5/00	64	B 43 K	29/08
			174	B 21 D	39/00	8	B 65 D	25/00	155-158	B 65 D	5/10	64.3	G 06 C	19/02
				B 23 K	31/02			1/00	159,160	B 65 D	5/00	64.7	G 06 C	3/00
					31/02			3/00	160.1	B 65 D	43/16	65-69	G 06 C	27/00
			175-177	B 23 K	5/00			5/00	160.2	B 65 D	43/00	70	G 06 G	1/02
			178-190	B 21 K	31/02	8.5	A 45 C	1/12	161	B 65 D	5/00	71-83	G 06 C	27/00
			191	B 23 K	1/018		A 63 H	33/30	162	B 65 D	25/54	84	G 06 G	1/02
			192	B 21 L	3/02	9-11	B 65 D	5/38	163-183	B 65 D	5/00	85-89	G 06 C	3/00
			193-197	B 23 K	20/00	16	B 65 D	5/00	184	B 65 D	5/08	90	A 63 F	1/18
					28/00	19,20	B 65 D	5/38	185	B 65 D	5/10	91	G 06 M	1/00
			198	B 23 K	5/22	23	B 65 D	5/35	186-189	B 65 D	5/24	93	G 07 C	9/00
			199-202	B 23 K	28/00	40	B 65 D	13/00	190-198	B 65 D	5/28	94	B 67 D	5/22
			203	B 23 K	1/20	41	B 65 D	5/36	199	B 65 D	5/42	95-97	G 01 C	22/00
					5/213	48	B 65 D	5/42				98	B 61 L	1/16
					20/24	49,50	B 65 D	5/42					G 06 M	7/00
					31/02			57/00	U.S. Class 231			99-101	G 07 G	1/00
			204	B 23 K	31/02			61/00	WHIPS AND WHIP APPARATUS			102	B 41 J	9/24
			205-211	B 23 K	1/20	52	B 65 D	5/46				103-104	G 06 M	
					31/02			25/22	1	B 68 F	1/00	105	G 01 C	22/00
			212,213	B 23 K	31/02	67	B 65 D	25/28	2 1-7	B 68 B	11/00	106-122	G 06 C	27/00
					1/20			1/12				123	A 44 C	23/00
			214	B 23 K	31/02			3/04					A 63 B	71/06
					31/02			5/02					A 63 F	1/18
			215	B 23 K	31/02			8/00	U.S. Class 232				G 06 C	1/00
			216	B 23 K	5/22			27/00	DEPOSIT AND COLLECTION			124	G 01 D	13/22
					31/02	68	B 65 D	27/00	RECEPTACLES			125	G 01 D	13/06
					1/20	69	B 65 D	27/10				127	A 63 B	71/06
			217	B 23 K	31/02	70	B 65 D	27/00					A 63 D	15/20
					13/06	71	B 65 D	27/04					A 63 F	1/18
			218	B 23 K	31/02	72	B 65 D	27/08	1	B 65 D	91/00	128	G 07 G	3/00
					35/38	73	B 65 D	27/06	2,3	G 07 C	13/02	130,131	G 06 C	25/00
			219,220	B 23 K	31/02	74,75	B 65 D	27/00	4-6	A 47 G	29/00	132	G 06 F	15/18
					35/38	76	B 65 D	27/12	7-16	G 07 B	15/00	133-143	G 06 C	7/10
			221	B 23 K	15/06	77	B 42 F	1/00	17,18	B 65 D	91/00			9/00
					31/02		B 65 D	27/12	19-23	A 47 G	29/12			15/26
					35/38	78	B 65 D	27/26	24-39	B 65 D	91/00	144	G 06 C	15/42
			222	B 23 K	31/02	79	B 65 D	27/30	41-43	A 47 G	29/14	145,146	G 06 C	7/02
					35/38	80	B 65 D	27/14	43.1-43.5	B 65 D	91/00			25/00
			223	B 23 K	1/20	81	B 65 D	27/34	44-63	B 65 G	11/04		G 06 D	

CONCORDANCE 1990—United States to International Patent Classification

U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 235—Con.			U.S. Class 236			U.S. Class 237			U.S. Class 239			U.S. Class 238		
AUTOMATIC TEMPERATURE AND HUMIDITY REGULATION			HEATING SYSTEMS			FLUID SPRINKLING, SPRAYING AND DIFFUSING			RAILWAYS, SURFACE TRACK					
200,201	G 06 D	1:12	1	F 23 N	23:00	92	G 05 D	27/00	10-14	E 01 C	9/00	79-85	B 05 B	1/24
375	G 06 F	15:20	2	A 01 K	41:00	93,94	G 05 D	23/00	14 05-14 15	E 01 B	23/00	86	B 05 C	5/04
376	G 06 F	15:46	3	A 01 G	23:10	95	F 23 N	1/00		B 60 M	23/00	87	B 29 C	45/20
377	G 06 K	7:10	4,5	A 01 K	41:00	96	F 23 N	1/00	14.2-14.9	E 01 B	11/54	88-92	F 02 M	45/20
378	G 06 K	15:00	6	A 01 K	31:18	97,98	G 05 D	23/00		E 01 B	11/54	93-95	F 02 M	47/02
379	G 06 F	15:30	7	D 06 F	75:00	99,100	G 05 D	23/12	15,16	E 01 B	5/00	96	F 02 M	45/10
380	G 06 K	5:00	8	F 23 N	3/00	101-103	G 05 D	23/02	17-23	E 01 B	5/18	97,98	F 02 M	41/16
381	G 06 F	7:08	9-11	F 21 N	23/13	104	F 23 N	1/00	24-26	E 01 B	3/12	99	B 05 B	3/00
382	G 06 K	5:00	12 1	G 05 D	23/13			5/02	27,28	E 01 B	3/22	100	B 05 B	1/08
382 5	G 06 K	7:01	12 11	G 05 D	23/185						7/22	101	B 05 B	1/08
383	G 06 K	15:60	12 12	G 05 D	23/13						29/06	102,1,102 2	B 05 B	1/08
384	G 07 B	15:02	12 13	G 05 D	23/12						9/14	103,104	B 05 B	1/28
385	G 06 F	15:24	12 14-12 23	G 05 D	23/13						21/04	105	B 05 B	1/28
386	G 06 F	15:30	13	G 05 D	23/00	1	F 24 D	23/00	29-108	E 01 B	3/00			15/04
400-402	G 06 F	15:58	14	F 23 N	1/08	2	G 05 D	23/00	109-120	E 01 B	3/14	106-119	B 05 B	15/02
403	G 06 G	7:80	15	F 23 N	1/00	3,4	A 01 K	31/20			3/24		F 23 D	11/34
404-418	G 06 F	7:80	16	G 05 D	23/00	5 6	B 60 H	1/00	121-150	E 01 B	5/00	120-122	B 05 B	14/50
419	G 06 C	15:00	17	F 27 D	19/00	7	B 61 D	27/00			13/00	123	B 05 B	1/28
420	G 06 F	3:08	18	F 28 F	27/00	8	F 24 H	3/06	151-263	E 01 B	11/00		F 23 D	15/02
	G 06 C	21/00	19	F 28 F	27/00	9,10	F 24 D	1/00	264-286	E 01 B	9/38		F 23 D	11/38
	G 06 F	7:52	20	F 28 F	27/00	11	F 24 D	5/00	287-309	E 01 B	3/12	124-127	B 05 B	14/50
421	G 06 C	9:00	21	G 05 D	15/00	12	F 24 D	1/02			3/22	127,1,127 3	B 05 B	33/04
	G 06 F	15:08	22-25	F 28 F	27/00	12 1	B 60 H	1/04	310-378	E 01 B	3/48	128	B 05 B	1/24
422	G 06 C	7:44	26-31	G 05 D	23/12	12 2,12 3	F 24 D	5/00			9/00		B 05 C	7/16
	G 06 F	7:44	32	F 28 F	27/00	12 4	B 61 D	1/02			13/00		F 23 D	1/00
423	G 06 C	15:04	33	G 05 D	23/08	12 5,12 6	B 60 H	1/02	379-381	E 01 B	29/24	129-132 1	B 05 B	14/66
	G 06 F	7:42	34-35	F 23 N	15/00	12 7	B 61 D	27/00	382	E 01 B	19/00	132 3,132 5	B 05 B	1/24
424	G 06 C	7:50	36 37	G 05 D	23/00	12 8	B 60 H	1/06				133,134	B 05 B	15/00
425	G 06 F	9:00	37	F 22 B	37/42	14,15	B 61 D	27/00				135,136	B 05 B	1/24
426	G 06 F	7:40	38	F 23 N	5/24	16-18	F 24 D	27/00					B 05 C	1/00
427,428	G 06 F	7:45	39	F 22 B	35/00	19	A 01 K	31/20				137-139	B 05 B	1/24
429	G 06 F	5/00	40	G 05 D	35/00	28	F 24 H	41/02				140-144	B 05 B	9/00
430	G 06 C	9/00	41	F 22 B	15/00	29-33	F 24 D	3/06				145	A 01 G	27/00
431	G 06 F	7:02	42,43	G 05 D	23/12	34-36	F 24 H	3/08				146	A 01 G	25/09
	G 06 F	11/10	44	F 22 B	35/00	37-39	F 24 D	1/22					B 05 B	9/03
432	G 06 F	3/12	45	G 05 D	23/02	40,41	B 60 H	1/00	1	B 05 B	17/00	147-149	B 05 B	9/00
433	G 06 C	15/12	46	F 01 P	7/02	42,43	B 61 D	27/00	2.1	B 05 D	15/00	150	B 05 B	1/28
	G 06 C	11/10	47	F 01 P	7/10	44	B 60 H	1/22	2.2	A 01 G	13/00	151	B 05 B	1/28
434	G 06 C	11/08	48	F 28 F	27/00	45	B 60 H	1/22	3	F 25 C	3/04	152-154	A 62 C	15/00
	G 06 F	15/12	49	F 24 F	11/04	46-49	B 61 D	27/00	4	A 01 G	23/10		B 05 B	9/08
435 436	G 06 K	7/00	50	F 24 F	11/00	50-53	B 60 H	1/22	5	B 05 B	5/025	155-158	B 05 B	9/06
437	G 06 K	5/00	51	F 28 F	27/00	54,55	B 61 D	1/22		B 05 B	17/04	159	B 05 B	1/20
438-440	G 06 K	7/00	52	F 16 T	1/00	56-62	F 24 D	1/00		F 02 D	1/06	160-162	B 05 B	3/02
441-443	G 06 K	7/06	53,54	F 24 F	11/00	63,64	B 60 H	1/22			7/00			3/14
444-448	G 06 K	7/04	55	F 24 F	11/00	65	B 61 D	27/00			9/04	163-169	B 05 B	1/20
449-451	G 06 K	7/08	56	F 16 T	1/00	66	B 60 H	1/20			17/04	170	B 05 B	1/16
452	G 06 K	7/02	57	F 24 F	11/00	67,68	F 24 D	11/00	8-10	A 62 C	5/02	171	B 64 D	1/18
453	G 06 K	7/00	58	B 01 F	3/02	69	B 60 H	1/22	11,12	B 05 B	17/04	172	A 01 G	25/09
454	G 06 K	7/10	59	G 05 D	21/00		F 24 F	7/00	13	B 05 B	1/24		E 01 C	19/16
	G 06 K	7/14	60	G 05 D	3/00	46-49	F 24 D	5/00			17/04		E 01 H	3/02
455-464	G 06 K	7/10	61	F 23 N	5/20	50-53	F 24 B	7/00			15/00	173,174	E 01 H	11/00
465	G 06 K	7/12	62	F 23 N	5/20	54,55	F 24 D	3/00			13/00	175	B 05 B	9/00
466-468	G 06 K	7/10	63	G 05 D	23/00	56-62	F 24 D	3/02			3/04	176	B 05 B	1/20
469	G 06 K	7/12	64	G 05 D	23/10	63,64	F 24 D	3/00			9/20	177,1,177 2	B 05 B	3/00
470-473	G 06 K	7/10	65	F 24 F	7/00	65	F 24 D	3/10			17/08	193,194	B 05 B	1/36
474	G 06 K	7/016	66	F 24 F	7/00	66	F 24 D	1/00			7/00	195-198	B 65 H	75/00
475-477	G 06 K	13/00	67	G 05 D	23/00	67,68	F 24 D	5/10			12/14	200,201	A 01 G	25/06
478	G 06 K	13/107	68	G 05 D	15/00	69	F 24 D	19/02			9/20		B 05 B	15/06
479	G 06 K	13/04	69	F 16 T	1/02		F 24 H	9/06			21/18	202	E 01 H	3/04
480	G 06 K	13/08	70	F 16 T	1/20	70-74	F 24 H	3/00			5/08	203-205	B 05 B	15/10
481	G 06 K	13/077	71	F 16 T	1/04	75	F 24 H	7/00			7/00	206-208	B 05 B	3/00
	G 06 K	13/30	72	F 16 T	1/06	76,77	F 24 F	3/14			9/04			15/10
482	G 06 K	13/00	73	F 16 T	1/08	78		5/00			7/00	209	B 05 B	15/06
483,484	G 06 K	13/06	74	F 16 T	24/00		F 24 D	19/06			25/00	210	B 05 B	15/06
	G 06 K	13/24	75	F 16 T	1/45	79	F 24 D	7/10			27/00		B 05 B	1/00
485	G 06 K	13/063	76	G 05 D	15/00	80	E 03 B				17/04	211	B 05 B	3/02
	G 06 K	13/067	77	G 05 D	23/00	81	F 24 D				17/04	214-218 5	F 23 D	11/04
486	G 06 K	7/00	78	G 05 D	23/22						25/02	219-221	F 23 D	11/04
487	G 06 K	19/00	79	G 05 D	23/22						5/08	222-222 15	B 05 B	3/02
488	G 06 K	19/02	80	G 05 D	15/00						5/38		F 23 D	11/04
489	G 06 K	21/00	81	G 05 D	15/00						37/00	222.17-222 21	B 05 B	3/04
490-494	G 06 K	19/06	82	G 05 D	23/00						37/36	223,224	B 05 B	3/10
495	G 06 K	21/06	83	G 05 D	23/00						12/10		B 44 D	5/10
	G 06 K	21/06	84	G 05 D	15/00						15/00		F 23 D	11/04
	G 06 K	21/06	85	G 05 D	15/00						9/06	225 1-229	B 05 B	3/00
	G 06 K	21/06	86-91	G 05 D	23/00							230	B 05 B	3/02

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 239—Con.									U.S. Class 241					
		3/14	338	A 61 M	11/06	533.4	F 02 M	45/00	SOLID MATERIAL COMMUNION OR DISINTEGRATION			38-59	B 23 Q	11/00
231-236	B 05 B	3/08	339	B 05 B	7/04	533.5	F 02 M	61/06					B 02 B	1/00
237,238	B 05 B	3/04	340	A 62 C	13/62			45/00						5/02
239	B 05 B	3/16			13/66	533.6	F 02 M	59/20	1	B 02 C	19/00		B 02 C	11/08
240,241	B 05 B	3/04		B 05 B	7/30			59/20	2	A 47 J	19/06			23/18
242	B 05 B	3/16	341-352	B 05 B	7/30	533.7	F 02 M	61/08		B 02 C	11/00			23/24
243-249	B 05 B	3/00	353	B 05 B	7/30	533.8	F 02 M	47/02	3	B 01 J	23/28			23/26
251-262	B 05 B	3/06		F 23 D	14/60	533.9	F 02 M	61/20		B 02 C	19/12			23/30
263	B 05 B	3/16	354	B 05 B	7/30	536	B 05 B	1/14	4	B 09 B	3/00			23/32
		3/00	355-363	A 62 C	11/00	537-541	B 05 B	1/32		B 09 B	3/00			23/34
263.1-265	B 05 B	3/00		B 05 B	11/06	542	B 05 B	15/00		B 27 J	23/36			23/38
265.11	B 63 H	11/00	364-371	A 61 M	11/02	543	B 05 B	1/26		B 27 K	23/40			4/00
	B 64 D	33/04	372	A 62 C	13/62			1/26			9/00		B 07 B	7/00
265.13,265.15	B 64 D	33/04			13/66	544,545	F 23 D	11/36		B 27 L	7/00			9/00
265.17	B 63 H	25/46	373	A 61 M	11/02	546,547	B 05 B	15/00	5	B 31 F	19/06			11/00
265.19	B 63 H	11/10		B 05 B	9/04	548	B 05 B	2/08	6.7	B 02 C	7/18		B 02 B	5/02
265.23	B 64 C	15/00	374-378	A 01 G	25/14		A 62 C	37/08		B 02 C	9/00			11/08
265.25-265.35	B 63 H	25/46	379	B 05 B	9/00			1/14	8	B 02 B	11/00		B 02 C	21/00
265.37	B 05 B	12/00	380	B 05 B	1/34		B 05 B	5/04			3/12			23/20
	B 64 C	9/38	381	B 05 B	3/04		E 21 F	11/38			5/00		B 07 B	7/00
265.39-265.43	B 05 B	12/00	382	B 05 B	3/16	549	B 05 B	7/08	9-11	B 02 B	1/04	61	B 02 B	1/00
266-269	A 01 G	25/02	383,389	B 05 B	1/34	550-553	B 05 B	1/14	12	B 02 B	3/12		B 02 C	5/02
	B 05 B	1/20	390-397	A 62 C	31/02	553.3	B 05 B	1/14			5/00			11/08
270	A 62 B	18/00	397.5	B 05 B	15/00		F 23 D	14/68		B 02 C	7/18			21/00
	B 05 B	1/00	398	A 62 C	5/00	553.5-561	B 05 B	1/14			9/00		B 07 B	11/00
271,272	A 62 C	15/06		B 05 B	31/00	562-564	A 62 C	37/20			11/00		B 02 B	1/00
273	B 05 B	31/28		F 23 D	11/36	565	B 05 B	1/14			5/00		B 02 C	5/02
274	A 62 C	15/00			11/40	566	B 05 B	1/20		B 02 C	7/18			23/22
	B 64 D	15/10			14/62	567	B 05 B	1/18			9/00		B 07 B	4/00
275	B 05 B	15/06	399-406	B 05 B	7/10	568	B 05 B	1/14			11/00			7/00
276	A 62 C	31/22	407-413	B 05 B	7/12	569-586	B 05 B	1/30	13	B 02 B	5/02			9/00
279	B 05 B	15/06	414,415	F 23 D	11/46	587,588	B 05 B	15/08		B 02 C	7/18		B 02 B	11/00
280	A 62 C	31/24			14/60	589	A 62 C	31/02			9/00			5/02
280.5-283	B 05 B	15/06	416-417.5	B 05 B	7/12		B 05 B	1/00			11/00		B 02 B	1/00
284.1,284.2	B 05 B	1/10	418	F 23 D	11/10		F 23 D	11/38	14	B 27 L	11/00		B 02 C	11/08
	B 60 S	1/46			11/40	589.1	B 05 B	1/08		B 31 F	7/00			21/00
285	B 05 B	15/06			14/62	590,590.3	B 05 B	1/14	15	B 02 C	1/00		B 07 B	4/00
288-288.5	B 05 B	1/28	419-420	F 23 D	11/16		F 23 D	14/68			23/18			7/00
		15/04			11/40	590.5	B 05 B	1/14	16	B 01 B	1/00			9/00
289	B 05 B	15/00			14/62	591	B 05 B	1/00		B 02 C	15/04	63,64	B 02 C	11/00
		17/00	421	F 23 D	11/10	592-595	B 05 B	1/04		B 04 B	1/00			7/14
290-301	B 05 B	1/28			14/62	596-600	B 05 B	1/00	17-21	B 02 C	11/08		B 02 C	9/04
302	A 62 C	13/62			11/16	601	A 62 C	31/02			21/00			11/08
		35/58	422	F 23 D	11/10	602	B 05 B	1/26			23/24	65-67	B 02 B	1/08
	B 05 B	9/03	424-425.5	B 05 B	7/06	650,651	B 05 B	1/00			23/28		B 02 C	5/02
303,304	A 62 C	13/62	426	B 05 B	7/06		A 01 C	3/06			23/30			11/08
		13/66	427-428	B 05 B	7/06			7/08			23/30		B 02 C	21/00
		31/00	428.5	E 03 C	1/08			15/00	22	B 02 B	5/02	68	B 02 C	13/00
305	A 62 C	31/00	429-432	B 05 B	7/06		E 01 C	19/20		B 02 C	19/00			17/02
306,307	A 62 C	13/62	433-434.5	B 05 B	7/04	652	A 01 C	7/02	23	B 02 C	11/08			23/08
		13/66	435	B 05 B	15/00			15/02			21/00		B 07 B	13/00
		31/00	436-449	A 62 C	31/00	653	A 01 C	3/06	24	B 02 C	7/00		B 07 C	7/00
308,309	A 62 C	13/62	450	B 05 B	15/00			7/08			17/02	69	B 02 C	9/04
		13/66	451-460	B 05 B	1/32	654,655	A 01 C	15/00			23/08			13/00
310	A 62 C	5/02	461	B 05 B	1/26			3/06		B 07 B	13/00			17/02
	B 05 B	7/26			1/34	656	A 01 C	15/04	25	B 07 C	7/00		B 07 B	23/16
311	A 62 C	5/00	462	B 05 B	1/14	657-661	A 01 C	7/06		B 02 B	5/02			13/00
312	B 05 B	9/00	463-497	B 05 B	1/34			3/06		B 02 C	9/04		B 07 C	7/00
313	B 05 B	7/32	498-524	B 05 B	1/26			7/00			19/00	70-76	B 02 C	9/04
314-317	B 05 B	7/26	525,526	B 05 B	7/02			7/00		B 03 B	7/00			13/00
		7/28			9/01			15/00	26	B 02 C	17/00			17/02
318	B 05 B	7/30	527,528	B 05 B	7/02			19/00	27	B 02 C	7/00		B 07 B	13/00
319	B 05 B	9/00		F 23 D	11/46		E 01 C	19/20		B 27 J	7/00		B 07 C	7/00
320-324	B 05 B	9/04			14/60	662	A 01 C	23/00		B 27 K	7/00	77	B 02 C	9/04
		9/047	529,530	B 05 B	9/08	663,664	A 01 C	3/06			9/00			13/00
		11/02	531,532	B 05 B	15/06			7/00		B 27 L	11/00			17/02
325	B 05 B	7/14	533.1	B 05 B	1/30			15/00	29	B 02 B	5/02			23/14
326	B 05 B	9/00			1/34			19/00		B 03 B	7/00		B 07 B	13/00
327	B 65 D	1/32	533.11	F 02 M	61/10		E 01 C	19/20	30	B 02 B	7/00		B 07 C	7/00
328	B 01 D	17/00	533.12	F 02 M	61/00	665-669	A 01 C	17/00		B 02 C	11/06	78	B 02 C	9/04
	B 05 B	11/04	533.13-533.15	B 05 B	1/30			19/00		B 02 C	19/12			13/00
329,330	A 62 C	11/00			1/34	670-680	A 01 C	19/00	31	B 02 C	23/00		B 07 B	17/02
331	A 62 C	11/00	533.2	F 02 M	59/00		E 01 C	19/20	32,32.5	B 02 C	4/32			7/00
	B 05 B	9/04			61/00	681-688	A 01 C	17/00			7/14	79	B 02 C	13/00
332	B 05 B	9/04			63/00	689	A 01 C	3/06	33-37	B 02 C	9/04			17/02
333,334	A 62 C	11/00	533.3	F 02 M	39/00	690-708	B 05 B	5/00			11/08		B 07 B	23/10
	B 05 B	9/043			41/00		F 23 D	11/32			23/00			13/00
335	A 62 C	11/00			43/00	722-754	B 05 B	3/00	37.5	A 01 F	21/00	79.1-79.3	B 07 C	7/00
336	B 05 B	7/14			47/00			3/18		B 02 C	23/00		B 02 C	23/08
337	B 05 B	7/32			55/00									
	F 23 D	11/24			59/00									

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation			
U.S. Class 241—Con.																							
80	B 02 C	13/00	101.7	B 03 B	19/00	150	B 02 C	15/00	201	B 02 C	23/00	261.1,261.2	B 02 C	7/04									
		17/02		A 01 D	7/00			19/00			15/10			7/06									
		23/12		B 02 B	55/00			1/00	202	B 02 C	17/08	261.3	B 02 C	13/20									
	B 07 B	13/00		B 02 C	5/02			9/04			15/10			7/04									
81	B 07 C	7/00		B 02 C	9/04			15/00			17/08			13/20									
	B 02 C	13/00	102	B 03 B	19/00	151	B 02 C	19/00	203	B 02 C	23/02	262,263	B 02 C	1/00									
		17/02		B 02 C	7/00			1/00			7/00			19/00									
	B 07 B	13/00			17/20			9/04			13/00			21/00									
	B 07 C	7/00	103-105	B 02 C	19/12			15/00			15/00			23/00									
82	B 02 C	19/00	106	B 02 C	15/00			15/10			17/00	264	B 02 C	17/14									
		21/00			15/00			19/00			13/02	265	B 02 C	17/14									
		23/00	107	B 02 C	19/10	152	B 02 C	9/04			13/10			23/02									
82.1	B 02 C	17/16			9/04			15/10			15/10	266	B 02 C	1/08									
		23/02			15/00	153,154	B 02 C	19/00	205	B 02 C	1/08	267-269	B 02 C	1/06									
82.2	A 47 J	17/14	108,109	B 02 C	9/04			13/00			15/10	270-273	B 02 C	1/08									
	B 02 C	17/16			15/00			15/00			17/08			15/00									
82.3	A 47 J	19/00			19/00			17/00	206	B 02 C	1/02	273.1	A 47 J	17/00									
82.4-82.7	A 23 K	1/14	110-112	B 02 C	23/02	155	B 02 C	19/00			4/02			19/00									
		3/00			9/04			9/04			15/10	273.2	B 02 C	19/20									
	A 47 J	17/14			15/00			15/00			17/08			11/04									
83	B 02 C	17/02			15/08			15/10			15/10			19/20									
	B 07 B	13/00			19/00	156,157	B 02 C	9/04	219	B 02 C	13/16	273.3	A 47 J	17/00									
84	B 02 C	17/00	113	B 02 C	1/08			15/00			15/10			19/20									
84.1	B 02 C	17/00			9/04			19/00			17/08	273.4	A 47 J	19/00									
		17/02			15/00	158-160	B 02 C	9/04	220	B 02 C	1/08			19/20									
84.2,84.3	A 47 J	19/00	114	B 02 C	19/00			13/02	221	B 02 C	7/00	274	B 02 C	7/00									
	B 02 C	17/00			9/04			15/00	222	B 02 C	1/08			7/12									
		17/02			13/20	161-163	B 02 C	19/00			23/02			17/20									
	B 07 B	13/00			15/00			9/04	223	B 02 C	1/08			19/12									
84.4-86	B 02 C	17/00	115-123	B 02 C	19/00			13/10			23/00	275,276	B 02 C	1/10									
86.1,86.2	B 02 C	17/00			9/04			15/00	224,225	B 02 C	1/08			1/12									
		17/02			15/00	164	B 02 C	19/00			23/02			7/00									
	B 07 B	13/00	124	B 02 C	19/00			1/00	226	B 02 C	1/08			7/12									
87	B 02 C	17/00			9/04			9/04			9/04			17/20									
87.1	B 02 C	17/00			15/00			13/10			19/12			19/12									
	B 07 B	13/00			19/00			15/00			23/00			23/02									
88	B 02 C	17/00	125-134	B 02 C	23/02	165	B 02 C	19/00	227-229	B 02 C	1/08	277	B 02 C	1/08									
88.1-88.3	B 02 C	17/00			9/04			1/00			15/00			7/00									
		17/02			15/00			9/04	230-233	B 02 C	1/08			7/12									
	B 07 B	13/00	135,136	B 02 C	19/00			13/10			7/14			13/28									
88.4,89	B 02 C	17/00			9/04			15/00			13/00	278,279	B 02 C	17/20									
89.1,89.2	B 02 C	17/02			15/00			19/00	234	B 02 C	1/08			7/00									
	B 07 B	13/00			23/02	166,167	A 47 J	17/18			7/14			13/28									
89.3	A 47 J	19/00	137	B 02 C	9/04	168,169	A 47 J	17/00			13/00			15/06									
	B 02 C	17/02			15/00			43/00	235,236	B 02 C	1/08			15/08									
	B 07 B	13/00			17/00	169.1	A 01 D	55/00			7/04			15/10									
89.4	A 23 K	1/14			19/00			42/00			13/20			17/20									
		3/00	138	B 02 C	9/04			43/00	237	B 02 C	1/08			17/20									
	A 47 J	17/14			13/00	169.2	A 47 J	42/00	238-241	B 02 C	1/08	280	B 02 C	1/08									
91-95	B 02 C	17/02			15/00			43/00			7/00			7/00									
	B 07 B	13/00			19/00			25/00			7/14			7/12									
96,97	B 02 C	23/00	139-141	B 02 C	9/04			27/00	242,243	B 02 C	1/08			13/28									
98	B 02 C	17/16			15/00	170	B 02 C	17/00			7/00			17/20									
99	B 02 C	19/12			19/00	171-174	B 02 C	17/00			7/04			23/02									
100,100.5	B 02 B	7/02	142	B 02 C	9/04			23/02			7/14	281	B 02 C	1/08									
	B 02 C	19/00			13/02	175	B 02 C	17/08			13/00			7/00									
		23/00			15/00	176	B 02 C	17/00	244	B 02 C	23/02			7/12									
101	B 02 B	5/02			15/10	177-184	B 02 C	17/14	245-249	B 02 C	1/08			13/28									
	B 02 C	9/04			19/00	185	B 02 C	13/00	250,251	B 02 C	15/10			23/00									
		19/00	143,144	B 02 C	9/04	186	B 02 C	13/00			1/08			17/20									
	B 03 B	7/00			13/02			23/02	252	B 02 C	1/08	282	B 02 C	1/08									
101.1	A 01 D	55/00			15/00	186.1	A 01 F	29/00			7/10			7/00									
	B 02 C	19/00			19/00		B 02 C	13/00			15/10			7/12									
	B 23 D	19/00			7/00			23/02	253	B 02 C	1/08			13/28									
		45/00			7/14	186.2,186.3	B 02 C	13/00			7/00			23/02									
101.2	B 02 B	5/02			9/04			23/02			7/08			23/02									
	B 02 C	1/10			13/02	186.4	A 01 D	55/00			15/10	282.1	B 02 C	1/08									
		9/04			15/00																		

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 241—Con.			18.1	B 65 H	54/38	63	B 65 H	75/22	130-130.4	B 65 H	49/02	3 23	F 42 B	10/00
			19	B 65 H	54/71	64	B 65 H	75/34		D 03 J	5/08		B 64 B	10/06
	F 16 M				75/32	65.66	B 65 H	18/16	131-132	B 65 H	49/02	3 24-3 26	F 42 B	10/00
286-290	F 16 S	9/00	20	B 65 H	54/00			18/22		D 02 H	1/00			15/01
	B 01 L	7/00	21	B 65 H	75/32			20/02		D 03 J	5/08	3 27-3 3	F 42 B	10/00
	B 02 C	7/14	22	B 65 H	63/00	67	B 65 H	16/10	134-140	B 65 H	49/18			10/14
		23/00	23-26	B 65 H	54/00			18/22	141,146	B 65 H	49/36			10/48
		41/00	26.1	B 65 H	1/02	67.1-68.6	B 65 H	16/02	147	B 65 H	18/26			15/01
	B 24 B		26.2-26.4	B 65 H	54/28			16/10			59/00		B 64 C	
	F 16 M		26.41-26.44	B 65 H	54/34			18/02	148	B 65 H	59/40	5	B 64 B	1/20
	F 16 S		26.45,26.5	B 65 H	54/28			18/08			63/00		B 64 C	1/00
291	B 02 C	1/10	27,27.1	B 65 H	54/34			18/10	149-152.1	B 65 H	59/22			17/00
		7/00	28	B 65 H	63/00			20/36	153,154	B 65 H	59/12	6-8	B 64 C	27/22
		13/28	29	B 65 H	63/02	68 7	B 65 H	16/10	155	B 65 H	59/18	9,10	B 64 C	27/22
		17/20	30	B 65 H	63/04			18/20	156,156.1	B 65 H	59/16			39/00
292	B 02 C	1/10	31	B 65 H	54/28			18/22	156.2	B 65 H	59/38	11	B 64 C	33/00
		19/00	32	B 65 H	54/34	71-71.2	G 03 B	1/04	157,157.1	B 65 H	57/00	12 1,12 2	B 64 C	15/00
		23/00	34	D 01 H	1/36	71.3	G 03 B	1/10	158-158.5	B 65 H	57/28			29/00
292.1	A 01 D	55/00	35	B 65 H	49/26	71.4,71.5	G 03 B	1/06	159-173	B 65 H	18/28	12 3	B 64 C	15/02
	B 02 C	11/04	35.5	B 65 H	54/02	71.6	G 03 B	1/04			51/015			29/00
		23/02	35.6	B 65 H	69/04	71.7	G 03 B	17/26	174-178	B 65 H	55/04	12 4	B 64 C	15/12
293-295	B 02 C	1/10	36	B 65 H	63/00	71.8-73.5	B 65 H	75/18	179-181	G 03 B	1/04	12 5	B 64 C	29/00
		7/12	37,38	B 65 H	63/02	74-74.2	B 65 H	75/28		G 11 B	15/32	12 6	B 64 C	15/00
		13/28	39,40	B 65 H	63/04	75	B 65 H	77/00	182	G 11 B	15/58			29/00
		15/16	41	B 65 H	67/02	75.1	B 65 H	23/08			23/12	13	B 64 C	1/00
		17/20	42	B 65 H	54/00	75.2	B 65 H	23/10	183-185	G 11 B	15/06			3/00
		23/00	43,43.1	B 65 H	54/28	75.3	B 65 H	23/16			15/58			5/00
296	B 02 C	1/10	43.2,45	B 65 H	59/00	75.4	B 65 H	23/06			23/12			7/00
		7/00	46	B 65 H	67/04	75.41,75.42	B 65 H	23/08	186,187	B 65 H	59/38	14	F 42 B	17/00
		7/12	46.2-46.8	D 01 H	9/00	75.43-75.45	B 65 H	23/06		G 03 B	1/04	15	B 64 C	15/00
		13/28		B 65 H	75/30	75.46	B 65 H	23/16	188	G 11 B	15/32	16	B 64 C	31/02
297,298	B 02 C	1/10		D 01 H	3/16	75.47	B 65 H	23/18		B 65 H	59/38			10/00
		7/12	47-47.03	B 65 H	51/00	75.5-75.53	B 65 H	59/00		G 03 B	1/04	17 11	B 64 C	27/00
		13/28	47.04-47.07	B 65 H	51/24	77,77.1	B 65 H	27/00	189,190	G 11 B	15/06	17.13	B 64 C	11/40
		17/20	47.08-47.11	B 65 H	51/08	77.2	B 65 H	75/02		B 65 H	59/38			11/44
299	B 02 C	1/10	47.12-47.5	B 65 H	51/20	77.3,77.4	B 65 H	75/18			63/02			27/54
		7/00	48	B 65 H	75/32	78	B 21 C	47/00	191	G 03 B	1/04	17 15,17,17	B 64 C	25/00
		7/12	49	B 65 H	63/00	78.1	B 21 C	47/02		B 65 H	59/38			27/00
		13/28	50	B 65 H	54/68	78.3	B 21 C	37/00		G 03 B	1/02	17.19,17.21	B 64 C	27/00
		15/06	51,52	B 65 H	54/00	78.6-78.8	B 21 C	47/16	192-196	G 03 B	1/04			27/82
		15/08	53	B 65 H	54/56	79	B 21 C	47/24		G 11 B	15/32	17.23	B 64 C	27/08
		15/10	54	B 65 H	75/00	80-83	B 21 C	47/00	197-200	G 03 B	1/04	17.25	B 64 C	27/52
		17/20	54.1	G 11 B	15/32	84	B 21 C	47/34		G 11 B	15/32	17.27	B 64 C	27/00
300	B 02 C	1/10	54.4	B 65 H	75/16	84.1-84.3	A 01 K	89/00			23/04	19-21	B 64 C	27/00
		7/04		D 01 H	13/04	84.4-84.43	A 01 K	89/015	201-209	B 65 H	16/10			39/00
		7/12	55	B 65 H	16/00	84.5-84.53	A 01 K	89/02		G 03 B	1/04	22	B 64 C	33/00
		13/28			18/00	84.8	B 65 H	75/16	210	G 11 B	15/32	23	B 64 B	29/00
		17/20			20/00	85	B 65 H	16/00		B 65 H	75/34	24	B 64 B	
		17/22			75/02			18/00		G 03 B	1/04	25	B 64 B	1/20
		19/22	55.01	B 65 H	18/00	85.1	B 65 H	75/36		G 11 B	15/32	26	B 64 B	1/34
300.1	B 02 C	1/10			20/00	86,86.1	B 65 H	75/38	211-213	G 11 B	1/06	27-29	B 64 B	1/06
		4/18	55.1	B 65 H	16/00	86.2-86.4	B 65 H	75/40		A 01 K	89/00	30	B 64 B	1/02
		13/28			18/00	86.5	B 65 H	16/00	214	A 01 K	89/02			1/06
301	B 02 C	18/04			20/00			75/40	215	A 01 K	89/00	31	B 64 B	1/40
					75/02			75/42	216	A 01 K	89/02			1/58
			55.16	B 65 H	75/02	86.51	B 65 H	75/42	217-221	A 01 K	89/00		F 41 J	9/08
			55.17-55.21	B 65 H	16/00	86.52	B 65 H	16/00	222	B 65 H	75/06	32	B 64 B	1/48
					18/00			18/00				33	B 64 B	1/50
					15/00			75/40				34	B 64 C	3/00
U.S. Class 242			55.3,55.42	G 11 B	16/02	86.6-96	B 65 H	75/40	U.S. Class 244			35	B 64 C	3/00
WINDING AND REELING			55.53-55.55	B 65 H	19/00	99	B 65 H	23/06	AERONAUTICS			36	B 64 C	3/00
			56	B 65 H	19/20	100,100.1	B 65 H	75/38				37	B 64 C	3/18
1	B 65 H				54/71	100.2	B 65 H	75/48				38	B 64 C	1/26
1.1	B 65 H	81/06	56.1	B 65 H	39/16	103	B 27 F	7/02	1	B 64 C		39	B 64 C	27/00
2.3	B 65 H	54/64	56.2-56.4	B 65 H	35/02			7/17	2	B 64 C	37/02	45	B 64 C	3/38
4-6	B 65 H	81/02			54/88	104	B 65 H	75/38				46-48	B 64 C	3/38
7.01,7.02	B 21 F	17/00	56.5	B 65 H	35/02	105	B 25 B	25/00	3	B 64 D	5/00	49	B 64 C	3/56
		45/00	56.6	B 65 H	35/04	106	B 65 H	75/00		F 41 J	9/10	50	B 64 C	25/50
7.03	B 65 H	81/00	56.7,56.8	B 65 H	35/02	107-107.7	B 65 H	75/48	3.1	F 41 G	7/00	51	B 64 C	15/00
	H 01 B	11/04	56.9	B 65 H	16/02	110-110.3	B 65 H	75/24				52	B 64 B	1/36
		11/08	57,57.1	B 65 H	16/00	115,116	B 65 H	75/22		F 42 B	10/00	53	B 64 B	1/24
		13/00			18/00	117	B 65 H	75/18			15/01		B 64 D	27/82
		15/04			15/18	118	B 65 H	75/02			15/10			39/00
7.04,7.05	H 02 K	15/04		G 11 B	19/00	118.1-118.2	B 65 H	75/20	3.11	F 41 G	7/00			31/00
7.06	H 01 B	13/00	58	B 65 H	19/18	118.3-118.32	B 65 H	75/10	3.12	F 41 G	7/00			35/00
7.07-7.16	H 01 B	11/04	58.1	B 65 H	19/12			75/12			7/20			27/00
7.17,7.18	H 01 B	13/00	58.2	B 65 H	19/14	118.4-118.8	B 65 H	75/28			15/04			29/00
7.19-7.22	B 21 F	17/00	58.3	B 65 H	19/16	125-125.3	B 65 H	49/30	3.13,3.14	F 41 G	7/00			33/00
		45/00	58.4	B 65 H	19/22	127	B 65 H	49/00	3.15-3.22	F 42 B	10/00			35/00
		81/00	58.5	B 65 H	19/26	128,129	B 65 H	49/00			15/01	54,55	B 64 D	27/00
7.23	B 65 H		58.6	B 65 H	19/30	129.1-129.4	D 05 B	49/00			15/50	56	B 64 D	27/00
	B 21 C		59	B 65 H	75/00	129.5	B 65 H	49/00						
16,17	B 65 H	54/02	60	B 65 H	75/02			7/16						
18	B 65 H	54/00	61	B 65 H	75/06	129.51-129.8	B 65 H	49/00						
		67/044	62	B 65 H	75/02			54/553						

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 244—Con.									U.S. Class 245					
		29/00	119,120	B 64 C	13/00				WIRE FABRICS AND STRUCTURE			259	B 61 L	11/06
		33/10	121	B 64 C	1/00							260	B 61 L	5/04
57	B 64 D	41/00		B 64 C	1/10	165	B 64 G	1/28						7/04
58	B 64 D	27/00	122	B 64 D	7/00	166	B 64 G	1/32	1	B 21 F	27/00	261	B 61 L	11/06
59	B 64 D	35/00			11/06	167	B 64 G	1/34	1.5	B 60 C	15/04	262	B 61 L	29/08
60	B 64 D	1/24			25/02	168	B 64 G	1/36	2	B 21 F	27/00			3/04
61	B 64 D	37/00			25/102	169	B 64 G	1/26	3	B 21 F	27/08			5/02
62	B 64 C	27/00			25/11			1/00	4	B 21 F	31/00			7/02
		39/00			25/112			3/00	5-8	B 21 F	27/00			11/02
63	B 64 F	1/04	123,124	B 64 C	25/115			5/00	9	B 21 F	27/08	263	B 61 L	13/02
64	B 64 C	31/04			25/118			7/00	10	B 21 F	27/00			3/08
65	B 64 C	11/00			1/00			9/00	11	B 21 F	29/02			5/06
66	B 64 C	27/52	125	B 64 B	3/00			11/00						7/06
67	B 64 C	27/00			5/00			1/00						11/08
68	B 64 C	11/00			1/02			3/00						13/04
		27/46	126	B 64 B	1/06			5/00	U.S. Class 246			264	B 61 L	11/00
69	B 64 C	11/46	127	B 64 B	1/14	170	B 64 G	1/38	RAILWAY SWITCHES AND SIGNALS			265	B 61 L	11/08
		27/08	128	B 64 B	1/22	171	B 64 C	1/36	1	B 61 L		266-269	B 61 L	11/02
70,71	B 64 C	39/00	129.1	B 64 C	1/58	172	B 64 C	1/40	2-5	B 61 L	27/00	270	B 61 L	1/00
72	B 64 C	33/02	129.2	B 64 D	1/42			1/40	6	B 61 L	15/00			11/00
73,74	B 64 B	1/36	129.3-129.5	B 64 C	1/00			1/00	7	B 61 L	27/00	271	B 61 L	1/00
		15/00	129.6	B 64 C	45/00			3/00						11/06
75	B 64 C	5/00	130	B 64 C	1/14			5/00						13/00
		9/00	131	B 64 C	1/24			7/00				272	B 61 L	29/18
		13/00	132	B 64 C	1/38			9/00	8	B 61 L	1/08	273-276	B 61 L	
		15/00	133	B 64 C	1/06			11/00				277	B 61 L	23/32
		17/00	134	B 64 D	1/12			1/00	9-13	B 61 L	27/00	278-283	B 61 L	11/02
		19/00	135	B 64 D	1/00			3/00				284-291	B 61 L	11/04
		31/00	136	B 64 D	15/00			5/00	14	B 61 L	21/08	292	B 61 L	13/00
76	B 64 C	3/18	137.1,137.2	B 64 C	37/00	173	B 64 G	1/44				293-296	B 61 L	29/00
		13/16		B 64 D	1/00	175	B 64 C	1/44	15-18	B 61 L	27/00			13/00
		17/00		B 64 D	1/22			5/00	19	B 61 L	23/24	297-313	B 61 L	29/24
78	B 64 C	13/36	137.3,137.4	B 64 D	1/08	176	B 64 G	13/18	20,21	B 61 L	21/00	314-358	B 61 L	11/02
79	B 64 C	13/40	138	B 64 D	9/00	177-179	G 05 D	1/00	22-26	B 61 L	21/04	359	B 61 L	1/00
80	B 64 C	17/06		B 64 D	1/12	180-182	G 05 D	1/10	27-29	B 61 L	21/00			13/00
		17/02		B 64 D	1/02	183-188	G 05 D	1/08	30	B 61 L	1/10	360	B 61 L	1/02
		17/04		B 64 D	1/08	189,190	G 05 D	1/12	31-62	B 61 L	21/00			13/04
81	B 64 C	25/30	139	B 64 D	21/00	191-197	G 05 D	13/20	63	B 61 L	1/08	361-373	B 61 L	1/00
82	B 64 C	13/16		B 64 D	17/00	198	B 64 C	1/00				374	B 61 L	1/00
87	B 64 C	9/00	140	B 64 D	19/00			3/00	64-107	B 61 L	21/00	375-381	E 01 B	7/18
88	B 64 C	9/04	141	B 64 D	25/12	199	B 64 C	5/00	108-110	B 61 L	1/00			7/30
		9/06	142	B 64 D	25/10	200	B 64 C	23/06	111-117	B 61 L	23/00	382-392	E 01 B	7/00
89	B 64 C	5/00		B 64 D	17/00	201	B 64 C	21/10	118-121	B 61 L	23/04	393	B 61 L	5/00
90	B 64 C	5/10		B 64 D	19/00	202	B 64 C	9/00	122	B 61 L	23/34	394	B 61 L	3/00
		9/00		B 64 D	21/00	203	B 64 C	13/02						5/00
91	B 64 C	5/06	143	B 64 D	23/00	204	B 64 C	13/16	123,124	B 61 L	25/02	395-414	B 61 L	5/00
92	B 64 C	17/00	144	B 64 D	17/00	205	B 64 C	21/00	125-130	B 61 L	1/02	415-434	E 01 B	7/02
		27/82	145	B 64 D	19/00			21/00				435-450	E 01 B	7/00
93	B 64 C	17/00	146,147	B 64 D	17/02	206	B 64 C	23/00	131	B 61 L	19/00	451-453	E 01 B	7/10
94,95	B 64 B	1/70	148	B 64 D	17/00	207	B 64 C	23/02	132	B 61 L	19/06	454-464	E 01 B	7/18
		17/08	149	B 64 D	17/40			3/00	133-135	B 61 L	19/14			7/22
96	B 64 B	1/02		B 64 D	17/52	208	B 64 C	21/04	136-145	B 61 L	19/02	465-467	E 01 B	7/18
		1/06	150	B 64 D	17/62			21/04	146	B 61 L	19/14			7/28
97	B 64 B	1/58	151	B 64 D	17/58			21/06				468	E 01 B	7/10
98,99	B 64 B	1/62	152	B 64 D	17/30	209	B 64 C	21/06	147-163	B 61 L	19/02	469	E 01 B	7/16
100	B 64 C	25/00		B 64 D	17/14	210	B 64 C	9/16	164,165	B 61 L	23/00	470	E 01 B	7/10
101	B 64 C	25/54		B 64 D	17/18	211	B 64 C	9/28	166	B 61 L	1/00	471	E 01 B	7/12
		35/00	153-155	A 63 H	17/34	212	B 64 C	9/22	166.1	B 61 L	15/00	472	E 01 B	7/10
102	B 64 C	25/10		B 64 C	27/08	213	B 64 C	3/58	167,168	B 61 L	3/00			7/28
103	B 64 C	25/32		F 41 J	31/06			9/00	168.1	B 60 L	3/10			7/10
104	B 64 C	25/58	158	B 64 G	9/08			3/50				473	B 61 L	5/12
105,106	B 64 C	35/00		B 64 G	1/00	214,215	B 64 C	3/50	169	B 61 C	15/00			9/00
107	B 64 C	25/54	159	B 64 G	1/22	216	B 64 C	9/16				473.1	B 61 L	29/00
		25/18	160	B 64 G	1/10	217	B 64 C	9/00	170-181	B 61 L	3/00	473.2,473.3	B 61 L	29/24
		45/04		B 64 G	1/14			9/32	182	B 61 C	17/12	474-478	B 61 L	5/12
108	B 64 C	25/52			1/16	218	B 64 C	3/54						5/20
109	B 64 C	25/00			1/62	219	B 64 C	3/44	183-188	B 61 L	3/00			9/00
110	B 64 C	25/68			1/62	220-222	B 64 C	13/04	189,190	B 61 B	13/08			7/22
		1/02			1/12	223	B 64 C	13/04						7/28
		1/12			1/52			13/46	191-207	B 61 L	3/00			5/12
111,112	B 64 C	25/42			1/54	224	B 64 C	13/14	208	B 61 L	15/00			9/00
113	B 64 D	9/32			1/56	225	B 64 C	13/04	209	B 61 L	5/12	477	B 61 L	29/00
		17/80			1/58	226	B 64 C	13/40	210,211	B 61 L	5/20			29/24
114	B 64 F	1/00	163	B 64 G	1/60			13/48	212-214	B 61 L	5/22			5/12
115,116	B 64 F	1/12			1/46	227	B 64 C	13/40	215-217	B 61 L	5/20			5/20
117	B 64 C	1/00			1/48	228	B 64 C	13/50	218-244	B 61 L	5/00			9/00
		30/00	164	B 64 G	1/50	229	B 64 C	13/12				479-484	B 61 L	5/14
				F 02 K	1/24	230	B 64 C	13/26	245-252	B 61 L	11/08	485	B 61 L	5/16
118.1-118.3	B 64 C	1/20			1/00	231	B 64 C	13/34				486	B 61 L	5/12
		1/22			3/00	232,233	B 64 C	13/30	253-256	B 61 L	5/00			5/20
		47/00			5/00	234	B 64 C	13/30	257	B 61 L	5/00			9/00
118.5	B 64 D	11/00			7/00	235	B 64 C	13/04				487	B 61 L	5/20
		13/00			9/00	236	B 64 C	19/02				488	B 61 L	5/12
118.6	B 64 D	11/06			11/00	237	B 64 C	13/50	258	B 61 L	7/04			5/20
					1/00			13/04						9/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249			U.S. Class 249		
U.S. Class 246—Con.			U.S. Class 248			U.S. Class 249			U.S. Class 249			U.S. Class 249											

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 249—Con.			201	H 01 J	40/00	329	G 03 B	21/00	390.07-390.1	G 01 T	3/00	526	G 01 J	
111	B 22 D	15/00	202	G 01 J	1/20	330	G 02 F	1/01	390.11	G 01 T	3/06		G 01 M	
112	B 28 B	7/36	203	G 05 B	1/00	331	H 01 L	31/00	390.12	G 01 T	3/00		G 01 T	
	B 41 B	11/54	204	G 01 J	1/36	332	G 02 F	1/13	391.392	G 01 J	1/42	548	H 01 J	
113	B 28 B	7/36	205	G 01 J	1/32	333	H 01 L	25/00	393-395	G 01 J	1/00		G 01 N	21/86
114.1.115	B 28 B	7/36	206	G 01 J	40/14	334	H 01 J	31/49		G 01 T	1/08	549	G 01 V	9/04
	B 29 C	33/56		H 01 J	40/14	335	G 02 B	26/10	396	G 21 K	3/14		G 01 J	1/20
	B 28 B	7/36		H 01 J	40/14		G 01 T	5/04		H 01 J	3/26		H 01 J	31/26
116	B 28 B	7/36	207-212	H 01 J	40/14			5/06			49/42	550	G 02 B	27/42
	B 29 C	33/44	213	H 01 J	31/50	336.1	G 01 J	1/00	397-400	G 01 K	1/08	551	G 02 B	27/00
117	A 01 J	25/13	214	H 01 J	40/14		G 01 T	1/00		H 01 J	3/14	552,553	H 01 L	31/14
	B 22 C	9/06	215	H 01 J	40/14	336.2	H 01 L	27/18			3/26	554	G 01 J	
	B 28 B	7/36	216	H 01 J	3/14			39/00	423-427	H 01 J	27/00	555	G 06 K	7/10
		7/36			5/16	337	G 01 T	1/11	428-438	G 01 N	21/01	556	G 06 K	5/00
	B 28 C	1/04			40/14	338.1	G 01 J	5/00			21/51			11/00
	B 29 C	33/00	221	G 01 V	9/04	338.2	H 01 L	37/00			23/10	557	G 06 K	7/015
	B 41 B	9/08		G 06 M	7/00	338.3	G 01 J	5/00			23/12		G 01 C	11/12
	B 41 B	3/00		H 01 J	40/14	338.4	G 01 J	5/20			23/00	558	G 01 N	21/86
118	B 41 B	11/56	222.1,222.2	G 01 V	9/04		H 01 L	27/14	440.1,441.1	G 01 F	5/08	559-561	G 01 V	9/04
119	B 22 C	9/20		H 01 J	40/14	338.5	G 01 M	31/00		G 21 K	5/10		G 01 N	21/88
	B 28 B	7/24	223,224	G 01 N	9/04	339-353	G 01 J	21/00		H 01 J	37/20	562,563	G 01 N	21/00
		7/26		G 06 M	7/00	354.1	G 01 J	1/42		G 21 K	5/10	564,565	G 01 N	21/00
	B 41 B	11/68		H 01 J	40/14		G 01 J	1/00	442.1	G 01 N	21/00	566-570	G 06 K	7/10
120-125	B 28 B	7/24	225	G 02 F	1/01	356.1,356.2	G 01 T	1/00	443.1	G 01 N	23/00	571	G 01 N	21/86
		7/26		H 01 J	40/14		G 01 F	1/00		G 21 K	5/08		G 01 V	9/04
126	B 28 B	7/24	226	G 01 J	3/50		G 01 N	21/00			5/10	572	G 01 N	21/88
		7/26		H 01 J	5/16			21/33			37/20	573-577	G 01 N	15/06
	B 41 B	3/06			40/14			21/35		H 01 J	37/20			21/49
127-133	A 23 G	9/00	227	H 01 J	5/16	357.1-360.1	G 01 F	23/00	453.1,454.1	G 01 N	21/00	578	H 01 J	40/14
	B 28 B	7/06			40/14	361-363.01	G 01 T	1/20	455.1	G 01 N	23/00			
	F 25 C	1/24	228	G 01 J	1/00	363.02	G 01 T	1/161		H 01 J	37/20			
134,135	B 28 B	7/34	229	G 01 D	5/34			1/164	458.1,459.1	F 21 V	9/16			
136	B 28 B	7/10		H 01 J	1/56	363.03	G 01 T	1/164		G 01 J	1/58			
137	B 28 B	7/08	230	G 01 D	5/30	363.04,363.05	G 01 T	1/166		G 01 T	1/10			
	B 41 B	11/66	231	G 01 D	5/34	363.06-363.09	G 01 T	1/161		G 21 H	3/02			
138	B 41 B	9/10	232,233	G 01 D	5/36			1/164		G 21 K	5/00			
139	B 29 C	33/22	234-237	H 01 J	3/14	363.1	G 21 K	1/02		H 01 J	65/06			
140,141	B 29 C	33/46			5/16	364-369	G 01 T	1/20			65/08	1.1-1.3	E 21 B	33/06
142	B 28 B	7/16			40/14	370.01-370.04	G 01 J		461.1,461.2	G 01 N	21/64	3	B 23 Q	35/18
143	B 29 C	33/46	238	H 01 J	7/24		G 01 T	1/24	462.1-467.1	F 21 K	2/00	4-10	F 16 K	7/04
144	B 22 C	9/24			40/14	370.05	G 01 J	3/08	472.1,473.1	G 01 T	1/04	11	F 16 K	31/00
	B 41 D	3/08	239	H 01 J	5/02	370.06	G 01 J				1/06	12	F 16 K	31/12
145-153	B 22 C	9/24			40/14	370.07	G 01 T	1/24		G 03 G	5/10	14	F 16 K	31/00
154	B 41 D	3/04	250	G 01 R	23/02		G 01 T		474.1	G 01 N	5/00			
155-157	B 28 B	7/02	251	H 01 S	1/00	370.08-370.1	G 01 J	1/02			21/00	15-23	F 16 K	21/04
	B 41 B	11/60			3/00		G 01 T		475.2	G 03 B	42/00			
158	B 28 B	7/02		H 05 H	3/02	370.11-370.15	G 01 J	1/24		G 03 C	5/16	24-60	F 16 K	31/12
	B 41 B	11/68	252.1	G 01 D	18/00		G 01 T		482.1	G 03 B	11/00	61-61.5	F 16 K	31/145
159	B 28 B	7/04		G 12 B	13/00	371	H 01 L	25/00	483.1	G 01 J	1/58			
	B 41 B	11/68	253-270	G 01 V	5/00			27/00		G 01 N	21/64			
160	B 41 B	11/54	271	G 06 K	7/10	372,373	G 01 J	1/24		G 01 T	1/00			
161,162	B 41 B	11/56	281-285	B 01 D	59/44	374-381	G 01 J	1/42	484.1	H 05 B	33/00	62	F 16 K	31/143
163-167	B 41 B	11/60		H 01 J	49/00		G 01 J	1/18	485.1-488.1	G 01 J	1/58			
168,169	B 41 B	11/58	286	B 01 D	59/44		G 01 T	47/02		G 01 N	21/64			
170-173	B 41 B	11/54		H 01 J	49/40		H 01 J	47/06		G 01 T	1/00			
174	B 22 D	7/06	287-289	B 01 D	59/44			47/08	489	B 01 D	59/44	63	F 16 K	31/143
175-177	B 28 B	7/28		H 01 J	49/00			47/08		H 01 J	49/26			
178-182	B 29 C	33/76	290	B 01 D	59/44	382	G 01 T	1/18	491.1	G 01 J	1/00			
183	B 28 B	7/28	291-293	H 01 J	49/00			1/185		G 01 N	21/00			
184-186	B 29 C	33/00		B 01 D	59/44	383,384	G 01 T	1/18			23/00	63.4-63.6	F 16 K	31/143
187.1	B 28 B	7/28	294	H 01 J	49/28		H 01 J	47/02	492.1-492.3	A 61 N	5/00			
188-196	E 04 G	9/00		B 01 D	59/44			47/06		G 21 G	5/00			
197-202	B 22 D	7/10	295-297	H 01 J	49/00			47/08	493.1	G 01 J	4/00	64	F 16 K	31/00
203	A 23 G	9/00	298	B 01 D	59/44	385.1	G 01 T	1/18	494.1	G 01 J	1/00	65	F 16 K	31/08
204	B 22 D	7/10		H 01 J	49/30		H 01 J	47/00	495.1	G 01 F	5/02	66-83	F 16 K	31/44
		41/14	299,300	B 01 D	59/44			47/02	496.1-498.1	G 01 J	1/00	84-88	F 16 K	25/00
		41/16		H 01 J	49/00			47/08	503.1	G 01 J	1/00	89-116	F 16 K	35/00
		41/22	301	G 01 T	1/167			47/08	504	G 01 J	5/00	117	F 16 K	51/00
205	B 28 B	7/40			1/169	385.2	G 01 T	1/18	505.1	G 02 B	1/00	118-127	F 16 K	47/00
		7/44	302	G 01 T	1/161		H 01 J	47/02		G 21 K	1/52		F 16 L	55/02
	E 04 G	17/00	303	G 01 T	1/161			47/06		H 01 J	3/00	128	F 16 K	31/00
206	B 22 B	7/12		G 21 H	5/02			47/10			5/18	129.01-129.22	F 16 K	31/02
		35/04	304	G 01 N	31/00			47/14			29/46	142-147	F 16 K	51/00
	B 41 B	11/84			33/00	386-388	G 01 T	1/18	506.1,507.1	G 21 F	5/00	148	F 16 K	51/00
207-212	E 04 G	17/00	305	H 01 J	40/00		H 01 J	47/02	515.1	G 21 C	11/00	149-149.7	F 16 K	51/00
213-218	E 04 G	17/06			47/00			47/06		G 21 F	1/00		F 16 L	29/00
219.1,219.2	E 04 G	17/00	306-311	G 01 N	23/00			47/08			3/00			
				G 21 K	7/00	389	G 01 T	1/185			5/00	149.8	F 16 K	51/00
			315.3	G 03 G	13/00		H 01 J	47/00			7/00		F 16 L	29/00
					15/00	390.01	G 01 T	3/00	516.1	G 21 F	3/02	149.9	F 16 K	51/00
			316.1	G 03 G	5/16	390.02	G 01 N	23/05	517.1	G 21 F	3/04		F 16 L	29/00
			317.1-319	G 03 C	5/16	390.03	G 01 T	1/02	518.1	G 21 C	11/00			
			324-326	H 01 T	19/04			3/00	519.1	G 21 F	3/02	150-152	F 16 K	51/00
			327.2	G 03 G	5/16	390.04-390.06	G 01 N	23/00	522.1	H 01 J	29/02		F 16 L	29/00
			328	G 01 T	1/00									
U.S. Class 250														
RADIANT ENERGY														
200	G 01 J													

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 251—Con.					125/12			125/26			107/22			119/10
					125/24	26	C 10 M	103/00			107/26			119/12
153-156	F 16 K	51/00			129/26			103/04			107/46			119/16
157-204	F 16 K	25/00			129/92			113/00			115/04			119/20
205-207	F 16 K				141/02			113/06			115/10			129/00
203,209	F 16 K	5/10			145/00			113/16			115/12			129/26
210,211	F 16 K		19	C 10 M	101/02			125/00			117/00			129/86
212	F 16 K	3/00			103/00			125/04			119/04			129/92
213-280	F 16 K	31/44			103/04			125/08			119/10			141/02
281-283	F 16 K	39/00			105/22			125/10			119/12			145/00
284-288	F 16 K	51/00			107/22			125/12			119/16	34,34.7	C 10 M	105/08
289-297	F 16 K	31/00			113/00	27	C 10 M	103/00			119/20			105/22
298-303	F 16 K	1/16			113/06			103/02			119/26			105/56
304	F 16 K	5/00			113/16			113/00			119/28			107/14
305-308	F 16 K	1/22			115/04			113/02			125/22			107/22
309-317	F 16 K	5/00			117/00			113/16			125/24			107/26
318-325	F 16 K	1/00			119/10			125/00			129/00			107/40
		15/00			119/12			125/02			129/26			115/04
326-329	F 16 K	3/00			119/16			125/08			129/86			115/08
330-334	F 16 K	1/00			125/00			125/10			129/92			117/00
		15/00			125/04			125/12			135/00			119/04
335 1-335.3	F 16 K	31/00			125/08			125/22			137/00			119/10
336-338	F 16 K				125/10	28	C 10 M	103/00			141/02			119/12
339-355	F 16 K	31/00			125/12			103/02			141/08			119/16
356-904	F 16 K				129/26			113/00	33,33.2	C 10 M	105/08			119/20
					129/92			113/02			105/22			119/24
					141/02			113/10			105/72			125/20
					145/00			113/12			107/22			129/00
			20	C 10 M	103/00			113/14			107/26			129/26
					105/22			113/16			107/46			129/86
					107/22			125/00			107/48			129/92
					113/00			125/02			115/04			133/00
					113/16			125/08			115/10			141/02
					115/04			125/10			117/00			141/06
					117/00			125/12			119/04			143/12
					119/10			125/26			119/12			145/00
					119/12			125/28			119/16			149/00
					119/16			125/30			119/20			157/04
					125/00	29,30	C 10 M	103/00			119/26	35-37	C 10 M	159/10
					125/08			103/02			125/22			105/08
					125/10			113/00			129/00			105/22
					125/12			113/02			129/26			107/22
					125/26			113/16			129/86			107/26
					129/26			125/00			129/92			115/04
					129/92			125/02			135/00			117/00
					141/02			125/08			141/02			119/04
					145/00			125/10			141/08			119/10
			21-24	C 10 M	103/00			125/12			145/00			119/12
					105/22	31	C 10 M	103/00			151/00			119/16
					107/22			113/00	33,33,33.4	C 10 M	157/06			119/20
					113/00			113/04			105/08			129/00
					113/02			113/16			105/22			129/26
					113/04			125/00			105/72			129/86
					113/10			125/06			107/14			129/92
					113/12			125/08			107/22			141/02
					113/14			125/10			107/26	37.2	C 10 M	145/00
					113/16			125/12			107/46			105/08
					115/04			125/22			107/48			105/22
					117/00	32,32.5	C 10 M	105/08			115/04			107/14
					119/10			105/22			115/10			107/22
					119/12			105/74			117/00			107/26
					119/16			107/22			119/04			115/04
					125/00			107/26			119/10			117/00
					125/02			115/04			119/12			119/04
					125/06			115/12			119/16			119/10
					125/08			117/00			119/20			119/12
					125/10			119/04			119/26			119/16
					125/12			119/10			125/22			119/20
					125/22			119/12			129/00			129/00
					125/24			119/16			129/26			129/26
					125/28			119/20			129/86			129/86
					125/30			119/28			129/92			129/92
					129/26			125/24			135/00			141/02
					129/92			129/00			141/02			143/12
					141/02			129/26			141/08			145/00
					145/00			129/86			143/12			159/10
			25	C 10 M	103/00			129/92	33.6	C 10 M	145/00	37.5-40	C 10 M	105/08
					103/06			137/00			151/00			105/22
					113/16			141/02			157/06			107/22
					115/04			145/00			105/08			107/26
					117/00			153/00			105/22			115/04
					119/10			157/08			107/22			117/00
					119/12			105/08			107/26			119/04
					119/16	32.7	C 10 M	105/22			115/04			119/10
					125/00			105/72			117/00			119/12
					125/08			105/74			119/04			119/14
					125/10									
					125/12									
					125/24									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 252—Con.					105/80			157/04			119/12			125/24
		119/16			107/46	47.5	C 10 M	105/08			119/14			125/26
		119/20			107/50			105/56			119/16			137/00
		129/00			107/52			105/72			119/20			139/00
		129/26			107/54			105/76			119/26			141/12
		129/86			115/10			105/78			129/00			153/00
		129/92			119/26			105/80			129/26			155/00
		141/02			119/30			107/40			129/68			157/08
		145/00			125/00			107/46			129/86			157/10
40.5	C 10 M	105/08			125/24			107/50			129/92	49.9	C 10 M	103/00
		105/22			125/26			107/52			129/95			105/50
		107/14			135/00			107/54			135/00			105/56
		107/22			139/00			115/08			141/08			105/74
		107/26			141/08			115/10			145/06			105/76
		115/04			141/12			117/00			145/10			105/78
		117/00			151/00			119/14			145/18			105/80
		119/00			155/00			119/20			151/00			107/38
		129/00			157/06			119/24			157/06			107/40
		141/02	46.4	C 10 M	157/10			119/26			159/06			107/48
		143/12			105/72			119/30	48.8	C 10 M	105/08			107/50
		145/00			107/46			125/20			105/50			107/52
40.7	C 10 M	105/08			107/50			125/24			105/72			107/54
		105/22			119/26			125/26			107/38			113/00
		107/22			125/00			129/00			107/46			113/16
		107/26			125/24			129/86			115/06			115/08
		115/04			135/00			133/00			115/10			115/12
		117/00			141/08			135/00			119/04			119/22
		119/00			151/00			139/00			119/14			119/24
		129/00			157/06			141/06			119/20			119/28
		141/02	46.6	C 10 M	105/72			141/08			119/22			119/30
		141/02			105/74			141/12			119/26			125/00
		145/00			107/46	48.2	C 10 M	105/08			125/18			125/18
41.42	C 10 M	159/10			107/48			105/72			129/00			125/20
		105/08			115/10			107/46			129/86			125/24
		105/22			115/12			115/10			131/00			125/26
		107/22			119/26			117/00			135/00			131/00
		107/26			119/28			119/04			141/04			133/00
		115/04			125/00			119/14			141/08			137/00
		117/00			125/24			119/20			145/18			139/00
		119/00			135/00			119/26			145/40	50	C 10 M	105/56
		129/00			137/00			129/00			147/00			107/40
		141/02			141/10			129/86			151/00			115/08
42.1,42.4	C 10 M	145/00			151/00			135/00			157/02			119/24
		105/08			153/00			141/08			157/06			125/20
		105/22			157/06			145/18	49	C 10 M	103/00			133/00
		107/14			157/08			151/00			113/00			141/06
		107/22	46.7	C 10 M	103/00			157/06			113/16			149/00
		107/26			105/56	48.4	C 10 M	105/08			125/00			157/04
		115/04			105/72			105/50	49.3,49.5	C 10 M	103/00	51	C 10 M	105/50
		117/00			105/74			105/72			113/00			105/56
		119/00			107/40			105/76			113/16			107/38
		129/00			107/46			105/78			125/00			107/40
		141/02			107/48			105/80			125/14			115/06
		143/12			113/00			107/38			173/00			115/08
		145/00			113/16			107/46	49.6,49.7	C 10 M	103/00			117/00
		159/10			115/08			107/50			105/76			119/22
42.7	C 10 M	105/08			115/10			107/52			105/78			119/24
		105/22			115/12			107/54			105/80			125/18
		107/46			119/24			115/06			107/50			125/20
		115/10			119/26			115/10			107/52			131/00
		119/04			119/28			119/04			107/54			133/00
		119/14			125/00			119/14			113/00			141/04
		119/20			125/20			119/20			113/16			141/06
		119/26			125/24			119/22			119/30			147/00
		125/22			133/00			119/26			125/00			149/00
		129/00			135/00			119/30			125/24			157/02
		129/86			137/00			125/18			125/26			157/04
		135/00			141/06			125/24			139/00	51.5	C 10 M	105/08
		141/08			149/00			125/26			141/12			105/56
		145/18			151/00			129/00			155/00			107/40
		145/40			153/00			129/86			157/10			115/08
		157/06			157/04			131/00	49.8	C 10 M	103/00			117/00
43	C 10 M	107/14			157/06			135/00			105/74			119/04
		143/12			157/08			139/00			105/76			119/14
		159/10	47	C 10 M	105/72			141/04			105/78			119/20
45	C 10 M	105/72			107/46			141/08			105/80			119/24
		107/46			115/10			141/12			107/48			125/20
		115/10			119/24	48.6	C 10 M	105/08			107/50			129/00
		119/26			119/26			105/22			107/52			129/86
		135/00			125/20			105/32			107/54			133/00
		141/08			133/00			105/72			113/00			141/06
		151/00			135/00			107/46			113/16			145/18
		157/06			141/06			115/10			115/12			145/40
46.3	C 10 M	105/72			141/08			117/00			119/28			149/00
		105/76			149/00			119/04			119/30			157/04
		105/78			151/00			119/10			125/00			159/06

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 252—Con.					107/32			D 06 L	3/00					9/00
		159/08			115/04	100,101		C 11 D	7/54		C 01 B		C 01 B	15/01
		105/08			117/00			D 06 L	3/00				C 09 K	3/00
52	C 10 M	107/22			119/10	102		A 62 D	5/00		C 02 F	186.42,186.43	A 01 M	
		107/30			119/12			C 11 D	7/54				A 62 D	3/00
		107/34			119/16	103-105		D 06 L	3/00				C 01 B	9/00
		107/36			129/26			C 11 D	7/54		C 09 K		C 01 B	15/00
		115/04			129/68	106		D 06 L	3/00	186.2,186.21	A 01 M	186.44	C 09 K	3/00
		119/04			129/92	107		C 11 D	3/48		A 62 D		A 01 M	
		119/14			129/95	108		C 11 D	9/50				A 62 D	9/00
		119/18			141/02			C 11 D	9/00		C 01 B		C 09 K	3/00
		119/20			145/00				15/00			187.1,187.2	A 01 M	
		129/00			145/06	109		C 11 D	9/10				A 62 D	3/00
		129/86			145/10				15/04		C 09 K		C 01 B	9/00
		141/02			145/22	110-113		C 11 D	9/30	186.22,186.23	A 01 M		C 01 B	7/00
		145/00			145/38				15/04		A 62 D			11/00
		145/18			159/06	114,115		C 11 D	9/00				C 09 K	3/00
54	C 10 M	105/08	58	C 10 M	159/08	116		C 11 D	15/04		C 01 B	187.21	A 62 D	3/00
		105/54			105/52				9/18		C 09 K		C 01 B	9/00
		107/22			107/38	117-120		C 11 D	15/04	186.24	A 01 M		C 09 K	11/02
		107/30			115/06				9/30		A 62 D		A 01 M	3/00
		107/38			125/18	121		C 11 D	15/04			187.22	A 01 M	
		115/04			131/02				9/32		C 01 B		A 62 D	3/00
		115/06			141/04	122-127		C 11 D	15/04		C 09 K			9/00
		119/04			147/02				9/00	186.25	A 01 M		C 01 B	7/01
		119/14	60	C 09 K	3/00	128-130		C 11 D	15/04		A 62 D		C 09 K	3/00
		119/20	61	B 03 D					9/18			187.23	A 01 M	
		125/18		C 09 K	3/00	131		C 11 D	15/04		C 01 B		A 62 D	3/00
		129/00		C 22 B	1/00				9/20				C 01 B	9/00
		129/86			3/00	132		C 11 D	15/04			187.24-187.29	A 01 M	11/10
		131/08	62	E 04 B	1/74				9/22		C 09 K	187.3	A 62 D	3/00
		141/02	62.2	H 01 G		133		C 11 D	15/04	186.26,186.27	A 01 M		C 01 B	9/00
		141/04	62.3	C 04 B	35/00				9/06		A 62 D		C 09 K	11/06
		145/00		H 01 L	29/12	134		C 11 D	15/04				A 01 M	3/00
		145/18	62.51	C 04 B	35/00				17/00		C 01 B	187.31	A 01 M	
		147/04		C 09 D	5/23	135		C 11 D	3/04		C 09 K		A 62 D	3/00
54.6	C 10 M	105/08	62.52	H 01 F	1/00				7/00	186.28,186.29	A 01 M		C 01 B	9/00
		105/22		C 04 B	35/00	136		C 11 D	3/04		A 62 D		C 01 B	11/14
		105/54		C 09 K	3/00				7/08				C 09 K	11/18
		107/22		G 01 N	27/82	139		C 11 D	3/00		C 01 B		A 01 M	3/00
		107/30	62.53	H 01 F	1/28				7/10			187.32	A 01 M	
		107/38		C 04 B	35/64	140		C 11 D	3/12		C 09 K		A 62 D	3/00
		115/04		H 01 F	1/00				7/10	186.3,186.31	A 01 M		C 01 B	9/00
		115/06	62.54	C 04 B	35/04	141		C 11 D	7/02		A 62 D		C 09 K	11/04
		117/00		H 01 F	1/00	142		C 11 D	7/08			187.33	A 01 M	3/00
		119/04			1/26			C 23 G	1/02		C 01 B		A 62 D	3/00
		119/10	62.55	B 22 F	3/00	143,144		C 11 D	7/08				A 01 M	9/00
		119/12		C 04 B	35/64				7/50		C 09 K		C 01 B	11/06
		119/14		H 01 F	1/04	145		C 11 D	7/08	186.32	A 01 M		C 09 K	3/00
		119/16			1/14	146,147		C 11 D	7/00		A 62 D		A 01 M	9/00
		119/20	62.56	C 01 G	49/08			C 23 G	1/04			187.34	A 01 M	3/00
		125/18		C 04 B	35/26	148-151		C 11 D	7/00		C 01 B		A 62 D	3/00
		129/00			35/64			C 23 G	1/06		C 09 K		C 01 B	9/00
		129/28	62.57	C 04 B	35/40	153-155		C 11 D	1/18	186.33	A 01 M		C 07 D	251/00
		129/86			35/64				1/38		A 62 D		C 09 K	3/00
		129/92		H 01 F	1/00				1/50			188.1	B 01 D	19/00
		131/12	62.58-62.64	C 04 B	35/26				3/26		C 01 B		C 01 B	3/00
		131/14			35/64	156-160		C 11 D	7/06	186.34	A 01 M		C 02 F	6/00
		141/02		H 01 F	1/00				7/12		A 62 D		C 06 B	1/70
		141/04	62.9	C 04 B	35/00	162		C 09 D	9/00				C 06 B	23/00
		145/00	67-69	C 09 K	5/00			C 11 D	7/22		C 01 B		C 06 B	43/00
		145/06		C 10 M		163-169			7/50		C 07 C		C 09 K	5/00
		145/10		F 25 D				C 09 D	9/02		C 09 K		C 09 K	3/00
		145/18	70	C 09 K	3/18			C 11 D	7/50	186.35	A 01 M	188.2	B 01 D	19/00
		147/04	71-79	C 09 K	5/00	170-172		C 23 G	5/00		A 62 D		C 02 F	1/70
55	C 10 M	105/08	79.1	C 09 K	13/00			C 09 D	9/00				C 09 K	3/00
		107/18	79.2	C 09 K	13/04			C 11 D	7/50		C 01 B	188.21	B 01 D	19/00
		107/22	79.3	C 09 K	13/08	173		C 11 D	5/02		C 07 D		C 01 B	17/62
		107/30	79.4	C 09 K	13/06	174		C 11 D	17/00	186.36,186.37	C 09 K		C 09 K	3/00
		115/04	79.5	C 09 K	13/02	174.11-174.25		C 11 D	5/02		A 01 M	188.22-188.24	B 01 D	19/00
		119/04	80,81	C 02 F	5/08	175-179		C 02 F	5/02		A 62 D		C 01 B	17/66
		119/14		C 23 F	11/00				5/08				C 09 K	3/00
		119/20	82-87	C 02 F	5/10	180,181		C 02 F	5/10		C 01 B	188.25,188.26	C 01 B	3/00
		129/00		C 23 F	11/10	181.1-181.7		H 01 J	7/18				C 06 B	6/00
		129/86	88	C 09 K	3/22				35/20	186.38,186.39	C 09 K		C 06 B	23/00
		141/02	89.1	C 11 D					1/56	186.4	A 01 M		C 06 B	5/00
		143/18	90-93	C 11 D	17/00	182.1		H 01 K	4/88		A 62 D	188.27	C 09 K	3/00
		145/00	94,95	C 11 D	3/395	182.11-183.16		H 01 M	3/00				C 01 B	6/06
		145/18			7/54			C 09 K	3/00		C 01 B		C 06 B	23/00
56,57	C 10 M	101/04		D 06 L	3/00	184		C 01 B	31/16				C 06 B	43/00
		105/22	96-98	C 11 D	9/42			C 09 K	3/00		C 09 K		C 06 B	5/00
		105/32		D 06 L	3/00	185		C 09 K	3/00				C 09 K	3/00
		107/22	99	C 11 D	7/18	186.1		A 01 M	3/00	186.41	A 01 M	188.28	C 01 B	3/00
		107/26			7/38			A 62 D	3/00		A 62 D			
		107/30			7/56									

CONCORDANCE 1990—United States to International Patent Classification

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CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 260—Con.			397,397.1	C 07 J		501.1	C 07 C	395/00	501.2	C 07 F	9/02			267/00
		3/00	397.2,397.25	C 07 J	9/00			205/00		C 07 C	211/00	544	C 07 C	291/00
		13/00	397.3-397.5	C 07 J				207/00			241/00			51/58
366	C 07 F		397.6	C 07 C	315/00			211/00			243/00			53/00
	C 09 B	1/00			317/00			213/00			249/00			55/00
		3/00	397.7	C 07 C	303/00			215/00			251/00			57/00
		13/00			307/00			217/00			313/00			59/00
367,368	C 07 C	50/18			309/00			223/00	501.21	C 07 C	211/00			61/00
		221/00	398	C 07 C	311/00			225/00			241/00			63/00
		225/00			53/00			227/00			243/00			65/00
	C 09 B	1/00			57/00			239/00			249/00			261/00
369	C 07 C	50/18		C 09 F				391/00			251/00			269/00
	C 09 B	1/00		C 11 B				395/00			303/00	545	C 07 C	271/00
370	C 07 C	303/00	398.5	C 11 C	5/00	501.11	C 07 F	5/02			307/00			327/00
		307/00	398.6	C 07 B	33/00		C 07 C	229/00			309/00			329/00
		309/00		C 11 B	27/10			233/00			311/00			333/00
		311/00		C 07 C	53/126			235/00			313/00		C 07 F	5/02
	C 09 B	1/12			57/00	501.12	C 07 C	237/00			321/00	546	C 07 C	9/02
		1/24		C 11 B	1/00			239/00			323/00			51/54
		1/30			3/00			303/00			327/00			53/00
		1/34	399	C 08 H	3/00			307/00			329/00			55/00
		1/52	400-402	C 07 C	303/00			309/00			333/00			57/00
371,372	C 07 C	303/00			307/00			311/00			381/00			59/00
		307/00			311/00			313/00			391/00			61/00
		309/00		C 11 D	1/28			315/00	502	C 07 F	9/02			63/00
	C 09 B	1/24	402.5	C 08 H	3/00			317/00	502.3	C 07 C	409/00			65/00
		1/30	403	A 23 J	7/00			321/00	502.4,502.5	C 07 F	5/02			229/00
		1/34		C 07 F	9/02			323/00	502.6	C 07 C	303/00	547-549	C 07 C	51/54
		1/52			9/10			327/00			307/00			51/56
373	C 07 C	303/00		C 11 C	3/00	501.13	C 07 F	9/00			309/00	550	C 07 C	391/00
		307/00	404-404.8	C 09 F	5/00		C 07 C	229/00			311/00			395/00
		309/00			7/00			233/00			313/00	665	C 07 F	1/02
		311/00		C 11 C	3/00			235/00			321/00			1/04
	C 09 B	1/52	405	C 09 F	5/00			237/00	503	C 07 C	303/00			1/06
374	C 07 C	303/00		C 11 C	3/00	501.14	C 07 C	257/00			307/00			3/02
		307/00	405.5	C 09 F	5/00			277/00			309/00	684	C 07 B	3/04
		309/00	405.6	C 09 F	5/06			279/00			311/00	685	C 07 B	45/00
	C 09 B	1/34	406	C 11 C	3/14	501.15	C 07 C	335/00			321/00	686	C 07 B	45/00
375	C 07 C	303/00	407	C 09 F	7/02			337/00	503.5	C 07 C	381/00	687	C 07 B	45/02
		307/00		C 11 C	3/00			339/00			383/00	688	C 07 B	43/00
		309/00		C 08 H	3/00			341/00			385/00	689	C 07 B	45/00
		311/00			5/00			343/00			387/00	690	C 07 B	45/00
	C 09 B	1/12		C 09 F	7/06			345/00	504	C 07 B	45/02			45/00
376	C 07 C	49/76	408	C 09 F	7/00	501.16	C 07 C	225/00			303/00	691	C 07 B	41/00
		229/00	409	C 11 C	3/12			227/00			305/00			43/00
	C 09 B	1/00	410-410.6	C 09 F	5/08			229/00	505	C 07 C	303/00			45/00
377	C 07 C	233/00			7/10			231/00			305/00	692,693	C 07 B	41/00
		235/00	410.7-410.9	C 11 C	3/02			233/00			307/00			41/04
		237/00	412	C 09 F	5/00	501.17	C 07 C	213/00	506	C 07 C	303/00			43/00
		239/00		C 11 B	1/00			215/00			305/00			45/00
378	C 09 B	1/36	412.1-412.4	C 09 F	5/02			217/00			307/00	694	C 07 B	39/00
	C 07 C	221/00		C 11 B	1/00			219/00			309/00			41/00
		225/00	412.5	C 11 B	13/00			221/00			311/00			41/04
379,380	C 07 C	221/00	412.6,412.7	C 11 B	1/12			223/00	507-513	C 07 C	303/00			43/00
		225/00	412.8	C 11 B	1/10			225/00			305/00	695	C 07 B	45/00
	C 09 B	1/50	413,414	C 11 C	1/00			227/00			307/00			41/00
381	C 09 B	1/16	415,416	C 11 C	1/04			229/00			309/00			41/04
382	C 07 C	221/00	417,418	C 11 C	1/04			231/00			311/00			43/00
		225/00		C 11 D	13/00	501.18	C 07 C	213/00	513.5	C 07 C	333/00			45/00
	C 09 B	1/20	419	C 11 C	1/08			215/00	513.6	C 07 C	303/00	696	C 07 B	35/00
383	C 07 C	50/18	420	C 09 F	5/10			217/00			305/00			41/00
	C 09 B	1/02		C 11 B	3/00			219/00			307/00			41/04
384	C 07 C	50/24			7/00			221/00			309/00			43/00
	C 09 B	1/00	421	C 09 F	5/08			223/00	513.7	C 07 C	313/00	698-700	C 07 B	45/00
		1/10		C 11 B	3/02			225/00	543	C 07 C	303/00			41/00
385	C 07 C	45/28	423	C 11 B	3/08			227/00			305/00			41/04
		50/18	424	C 11 B	3/04			229/00			307/00			43/00
	C 09 B	1/06	425-427	C 11 B	3/06			231/00			309/00			45/00
386	C 07 C	15/16	428,428.5	C 09 F	5/10			233/00			311/00			61/00
	C 09 B	11/00		C 11 B	3/00			235/00			313/00	701-703	C 07 B	41/00
387	C 07 F		500.5	C 07 C	207/00	501.19	C 07 C	303/00			315/00			41/04
	C 09 B	11/00			239/00			305/00			317/00			43/00
388	C 07 C	15/12			249/00			307/00			319/00			45/00
	C 09 B	11/00			251/00			309/00			321/00	704	B 01 D	63/02
389	C 07 C	15/16			253/00			311/00			323/00			
	C 09 B	11/04			255/00			313/00			325/00	705	C 07 B	63/00
390-394	C 09 B	11/10			257/00			315/00	543.1,543.2	C 07 C	249/00			11/00
395	C 09 B	11/06			259/00			317/00			251/00	706	B 01 D	7/00
396	C 07 C	50/00			261/00			319/00			253/00			7/02
		221/00			263/00			321/00			255/00	707	B 01 D	9/00
		225/00			265/00			323/00			257/00	708	B 01 D	53/14
					267/00			325/00			259/00			
					269/00			327/00			261/00			
					271/00			329/00			263/00			
					273/00			331/00			265/00			
					275/00			333/00			267/00			
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					281/00			339/00			273/00			
					283/00			341/00			275/00			
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					289/00			347/00			281/00			
					291/00			349/00			283/00			
					293/00			351/00			285/00			
					295/00			353/00			287/00			
					297/00			355/00			289/00			
					299/00			357/00			291/00			
					301/00			359/00			293/00			
					303/00			361/00			295/00			
					305/00			363/00			297/00			
					307/00			365/00			299/00			
					309/00			367/00			301/00			
					311/00			369/00			303/00			
					313/00			371/00			305/00			
					315/00			373/00			307/00			
					317/00			375/00			309/00			
					319/00			377/00			311/00			
					321/00			379/00			313/00			
					323/00			381/00			315/00			
					325/00			383/00			317/00			
					327/00			385/00			319/00			
					329/00			387/00			321/00			
					331/00			389/00</						

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 261			F 02 M			B 65 B			B 29 C			B 29 C		
GAS AND LIQUID CONTACT APPARATUS			100-107			5-14			77			174		
1	B 01 D	47/00	B 01 D	47/00	29/04	B 67 C	9/00	77	B 29 C	41/32	175	D 01 D	5/00	2/20
	B 01 F	3/04	C 10 J	1/10	15	B 22 D	11/01	78	B 29 C	41/22	176 1	B 29 C	67/20	5/00
	B 05 H	7/00	F 02 M	17/28	16	A 61 C	13/00		B 29 C	1/04		B 28 B	3/20	3/20
	C 10 K	1/08	B 01 D	47/00	17	A 61 C	13/20		D 01 F	1/06	177.1-177 2	B 29 C	47/00	47/00
	F 02 M		F 02 M	29/04	18	A 61 C	13/00			2/14		B 29 C	47/12	47/12
	F 02 M		C 10 J	1/08	19	A 61 C	13/08			2/16	178	D 01 D	5/08	5/08
	F 24 F		F 02 M	29/04	20	A 61 C	13/00	79	C 04 B	40/00	179	D 01 F	13/00	13/00
	F 22 G		B 01 D	47/00	21	C 09 K	11/00		B 29 C	35/02	180	D 01 D		
	F 24 F		F 02 M	29/04	22	B 06 B				67/00	181	D 01 D	5/14	5/14
	F 28 B	3/00	C 10 J	1/08		B 29 C	35/02				182	D 01 F	6/18	6/18
2-8	B 01 D	47/00	F 02 M	29/04		H 04 R					183	D 01 F	9/00	9/00
	B 01 F	3/04	F 02 M	29/04		H 05 B	1/00				184	D 01 F	6/00	6/00
	C 10 K	1/08	114 2-114 5	F 02 M	29/04						185	D 01 F	6/14	6/14
	F 22 D	1/28	115-118	B 01 D	47/06						186	D 01 F	9/00	9/00
16	F 02 M	25/10	C 10 J	1/12							187	D 01 F	2/00	2/00
17	C 10 K		119.1,119 2	B 01 D	47/02						188	D 01 F	2/06	2/06
18.1-18 4	F 02 M	25/00	C 10 J	1/08	23	B 06 B	3/00				189-194	D 01 F	2/08	2/08
19-22	B 01 D	47/00	F 02 M		24	B 06 B	1/02				195	D 01 F	11/02	11/02
23.1-23 4	B 01 F	3/04	C 10 J	1/08	25	H 05 B	1/00				196	D 01 F	2/06	2/06
	C 10 K	1/08	120	F 02 M							197,198	D 01 F	11/02	11/02
	F 02 M		121.1-121.4	B 01 D	47/02						199	D 01 F	2/04	2/04
	F 22 D		C 10 J	1/08							200	D 01 F	2/28	2/28
	F 24 F		F 02 M								201	D 01 F	9/02	9/02
24-37	B 01 D	47/00	C 10 J	1/08							202	D 01 F	4/00	4/00
	F 02 M	37/00	F 02 M								203,204	D 01 F		
		69/02	122-126	C 10 K							205	D 01 F	6/00	6/00
38	F 02 M		127,128	F 02 M	15/00						206	D 01 F	6/18	6/18
39 1-39.6	F 02 M	1/10		F 02 M	31/00						207	B 29 C	47/00	47/00
40-41 5	F 02 M	11/00		F 24 F	3/12							D 01 F	2/24	2/24
42-50 3	B 01 D	47/00	129-131	F 28 F							208	D 01 F	11/02	11/02
	C 10 J	1/00		C 10 K							209.1-209 8	D 01 D	5/24	5/24
	C 10 K	1/08		F 02 M	15/00						210 1	D 01 D	5/12	5/12
	F 02 M				17/28						210 2	D 01 D	5/16	5/16
	F 24 F	3/14		F 24 F	11/00						210 3	D 01 D	5/12	5/12
51-71	B 01 D	47/00		F 28 C							210.4	D 06 M	13/00	13/00
	C 10 K	1/08	133	C 10 K							210.5	D 01 D	5/12	5/12
	F 02 M			F 02 M	23/00						210 6	B 29 C	47/00	47/00
	F 24 F	3/14	134	C 10 K								D 01 F	1/10	1/10
72 1	B 01 D	47/00		F 02 M	23/08						210.7	B 29 C	49/08	49/08
	C 10 J	1/00	135,136	C 10 K								D 01 D	5/12	5/12
	C 10 K	1/08		F 02 M							210 8	D 01 D	5/12	5/12
	F 02 M		137	C 10 K							211	D 01 F	1/02	1/02
	F 24 F	3/14		F 02 M	15/00						211.1	B 29 C	47/00	47/00
72 2	B 01 D	47/00	138,139	C 10 K							211 11	B 29 C	47/00	47/00
	C 10 K	1/08	140.1,140 2	F 25 B	37/00								47/88	47/88
	F 02 M		141	F 02 M	15/02						211.12-211.2	B 29 C	47/38	47/38
	F 24 F	3/14			31/02						211.21	B 29 C	47/38	47/38
73	B 05 B	7/24	142	F 02 M	15/04						211.22,211.23	B 29 C	47/60	47/60
	C 10 J	1/00			31/12						211 24	B 29 C	47/78	47/78
	F 02 M		143-145	F 02 M	31/04						212-218	B 29 D	7/00	7/00
	F 24 F	3/14	146-148	F 02 M	11/00						219-224	B 29 C	33/40	33/40
74	B 01 D	47/02	149,150	F 02 M	15/00						225	B 29 C	33/40	33/40
	C 10 J	1/00	151	C 10 K	1/08								67/00	67/00
	F 02 M			F 22 D							226,227	B 29 C	33/40	33/40
75	B 01 D	47/00		F 28 B	3/00						228	B 28 B	5/00	5/00
	B 01 F	3/04	152-156	F 02 M	23/14						229	B 29 C		
	C 10 J	1/00			31/00						230	B 29 C	41/00	41/00
	C 10 K	1/00	157	F 02 M	31/00								61/00	61/00
	F 02 M		158-161	F 02 M							231	B 29 C		
	F 22 D			F 28 C	3/06						232	B 28 B	11/00	11/00
	F 28 C	1/00										B 29 B	15/00	15/00
76	B 01 D	47/02									233	B 29 B	15/00	15/00
	B 01 F	3/04									234,235	B 29 C	71/00	71/00
	B 05 B	7/02									235.6	B 29 C	71/00	71/00
	F 02 M											D 02 J	1/20	1/20
77	B 01 D	47/02									235.8-237	B 29 C	71/00	71/00
	B 05 B	7/02									238	B 29 C		
	F 02 M	17/20									239	B 27 N	3/08	3/08
78 1,78.2	B 01 D	47/06	0 5	G 21 C	21/00								19/00	19/00
	B 05 B	7/02	1.1-2.7	B 29 D	11/00								51/00	51/00
	C 10 J	1/12	3.1-3.6	C 06 B	21/00								53/00	53/00
	C 10 K	1/06		D 01 D										
	F 02 M		4	B 29 C	39/10									
79.1,79 2	B 05 B	7/10		B 65 B										
80	B 01 F	3/04		B 67 C										
81,82	F 02 M		4.1	B 01 J	13/02									
83	B 01 D	47/16			13/04									
	B 04 B	5/00		B 65 B										
	C 10 J	1/18		B 67 C										
	F 02 M		4.3	B 01 J	13/02									
84-93	B 01 D	47/16			13/20									
	C 10 J	1/18			13/22									
	F 02 M			B 65 B										
	F 24 F	3/14		B 67 C										
94-99	B 01 D	47/16	4.32-4.7	B 01 J	13/02									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 264—Con.			331 11-331.22	C 08 J	5/00	51,52	B 23 K	7/06	135,136	C 21 B	9/10	218-222	C 21 C	5/48
254,255	B 28 B	7/22	332	C 04 B	35/60	53	B 23 K	7/08		C 21 C	5/42	223	C 21 C	5/30
256	B 28 B	1/16	333	B 28 B	3/00	54	B 23 K	7/00			5/46	224	C 21 C	5/48
257	B 27 N	3/10	334	B 28 B	7/10	55,56	B 23 K	7/00	137	C 22 B	1/00	225	C 21 C	5/32
	B 29 C				13/06			7/10			1/14	226	C 21 C	5/30
258	B 29 C			B 29 C	41/42			37/02			19/02	227-232	C 21 B	3/04
	B 32 B	31/04	335	B 28 B	7/12	57	B 23 K	7/00	138	C 21 B	9/14			7/14
259,260	B 29 C		336	B 28 B	7/10			37/04	139-141	C 21 B	9/00		C 21 C	7/00
261,262	B 32 B	31/06	337	B 29 C	33/40	58	B 23 K	7/10	142,143	C 21 B	7/00	233-235	C 21 C	7/00
263-270	B 29 C		338	B 28 B	7/36			37/00			13/06	236-239	C 21 C	5/42
271 1	B 29 B	13/00	339	B 29 C	53/00		B 23 Q	27/00			13/14	240	C 21 C	5/50
272 11-279 1	B 29 C				55/00	59,60	B 23 K	7/10	144-159	C 21 B	7/22	241	C 21 C	1/00
280	B 29 C	43/22	340	B 27 N	7/00			37/00		C 21 C	5/38			5/00
	D 02 J			B 29 B	15/00		B 23 Q	27/00			5/40	242	C 22 B	7/00
281	B 29 C	53/00		B 29 C	35/02			35/00	160	C 21 B		243,244	C 21 C	5/42
		55/00	341	B 29 C	71/00	61	B 23 K	7/10		C 21 C		245-247	C 21 C	5/50
282	B 31 F	1/12	342-348	B 29 B	71/00		B 23 Q	27/00	161	C 22 B	1/00	248	C 21 B	13/08
283	B 31 F	1/14		B 29 C	71/00			37/04			3/00		C 22 B	7/00
284	B 29 C	49/00	349	B 29 B	7/00	62-64	B 23 K	7/10			5/00	249	C 21 D	
285	B 29 C	53/00	500	B 29 C	15/00			37/00	162	C 21 B	13/14	250	C 21 D	1/74
		55/00			43/00		B 23 Q	27/00		C 21 C	5/00			1/06
286,287	B 31 F	1/20			43/02			35/00		C 22 B	1/00	251-258	C 21 D	1/74
288 4	B 29 C	49/08			43/10	65	B 23 K	37/04			3/00	259,260	C 21 D	1/62
		55/00			43/32	66-72	B 23 K	7/10			5/00	261	C 21 D	1/08
	D 02 J	1/22	501,502	B 29 D	24/00	73	B 23 K	7/08	163	C 21 B	11/06	262-264	C 21 D	1/00
288 8	D 02 J	1/06		B 29 D	30/00			7/10			13/08	265-270	C 21 B	7/16
289 3	D 02 J	1/22	503-509	B 29 C	30/26	74,75	B 23 K	7/08		C 22 B	1/216	271-273	C 21 C	5/48
289 6	B 29 C	55/00			43/22	76,77	B 23 K	7/10	164	C 21 B	11/02	274-279	C 21 B	3/00
	D 02 J	1/22	510-514	B 29 C	59/00	78	C 21 D	11/00			13/02	280-285	C 21 B	7/04
290 2	B 29 C	55/00			45/00	79-81	C 21 B	7/24	165	C 22 B	1/214			5/44
290 5	D 02 J	1/22		B 29 D	47/00	82-86	C 21 B	5/02		C 21 B	3/10	286	C 21 B	7/02
290 7	D 01 D	5/16	515,516	B 29 C	45/14		C 21 D	11/00	166	C 21 B	11/00		C 21 C	5/44
291,292	B 28 B	11/08	517,518	B 27 N	1/00	87-98	C 21 D	11/00	167	C 21 B	7/00	287	B 23 K	
	B 29 C	49/08		B 29 C	43/22	99,100	C 21 B	7/24	168	C 21 B	15/00		C 21 B	
		55/00	519-522	B 29 C	35/02	101	C 22 B	3/00		C 22 B			C 21 D	
293	B 28 B	11/08			43/02			9/02	169	C 22 B	11/10		C 22 B	
	B 29 C	59/00			49/00			13/08	170	C 22 B	3/00		C 22 C	
294-296	B 29 C		523-543	B 29 C	71/00	102	C 21 D	9/52			13/08		C 22 F	
297 1-297 9	B 28 B	3/06			39/02	103	C 21 D	9/54	171	C 21 B	7/00		F 27 B	
		5/00			43/02	104	C 21 D	9/62		C 22 B	1/00			
298	B 29 C	39/00			45/00	105	C 21 D	9/54			4/08			
		41/00			47/00			9/56	172	C 22 B	1/10			
299	B 28 B	1/14			49/00	106	C 21 D	9/56			5/14			
	B 29 C	39/00			49/08	107	C 21 D	1/46	173	C 21 B	11/06			
		39/02			67/00			9/58			13/08			
		39/22		B 29 D	22/00	108	C 21 D	9/54		C 22 B	1/216			
		41/00	544-554	B 29 C	43/02			9/56	174	C 21 B	7/24	1.5	F 16 F	1/34
		41/02			49/00	109	C 21 D	9/52	175	C 21 B	7/00			9/36
		41/34			51/00	110	C 21 D	1/74		C 22 B	1/00	2	B 60 G	17/005
300	B 29 C			B 29 D	24/00	111	C 21 D	1/76	176-183	C 21 B	7/16			17/01
301	B 28 B	1/38			29/00	112,113	C 21 D	9/56			7/18			17/015
302	B 29 C	41/18			29/06			9/54	184	C 21 B	7/18			17/02
	G 01 V	9/00			29/08	114	C 21 D	1/62	185	C 22 B	1/16			21/00
303-307	B 28 B	1/38	555	B 29 C	39/14			1/62	186-188	C 21 B	7/16			5/04
308	B 28 B	1/14			43/22	115	C 21 D	7/00		C 21 C	5/46	3,4	B 61 F	
		3/10	556	B 29 C	41/00			9/00			5/48		F 16 F	5/04
309	B 28 B	1/32	557-562	B 29 C	39/14	116	C 21 D	9/68	189	C 21 B	7/10	5	B 62 B	9/18
	B 29 C	41/08			41/24			1/62			9/16	6,7	B 60 G	
	B 28 B	1/02			43/22			1/64	190	C 21 B	7/10	23-32	B 60 G	11/34
310	B 28 B	1/20	563	B 29 C	57/00			9/02	191	C 21 B	7/10	33	B 60 G	11/52
311	B 28 B	1/44	564-569	B 29 B	15/00	117	C 21 D	9/00			7/14	34	B 60 G	11/56
312	B 28 B	7/30		B 29 C	39/14	118	C 21 D	9/32	192-194	C 21 B	7/10	35	B 60 G	11/62
313	B 28 B	7/32			49/00	119	C 21 D	9/00	195,196	C 21 B	7/14	36 1	B 60 G	11/02
314	B 28 B	7/32			49/08	120	C 21 D	1/46	197,198	C 21 B	7/08		F 16 F	1/18
315	B 29 C	35/00			67/20	121	C 21 D	1/44			11/02	37 1-37.4	B 60 G	11/02
316	B 29 C	33/58			7/00			13/02		C 22 B	1/214		F 16 F	1/24
317	B 29 C	33/76		B 29 D	7/00	122	C 22 B	3/02			7/08	38-53	B 60 G	11/02
318	B 28 B	7/20	570,571	B 29 C	43/10	123	C 21 D	1/62	199	C 21 B			F 16 F	1/18
	B 29 D	1/00			49/00			9/08	200	C 21 C		64,11,64,12	F 16 F	5/00
319	B 27 N	3/18	572-574	B 29 D	22/00	124	C 21 D	1/62	201	C 21 B	3/06	64,13	F 16 F	5/00
	B 28 B	3/00				125	C 21 D	9/30	202	C 21 C	1/00			9/10
	B 29 C	41/46						9/32	203	C 21 C	3/00	64,14	F 16 F	5/00
		43/02				126	C 21 D	9/32		F 27 B	3/00	64,15	F 16 F	9/14
		51/00				127	C 21 D	1/62	204	C 22 B	9/02	64,16	B 60 G	17/00
320	B 29 D							1/70	205	C 22 B	7/04	64,17	B 60 G	17/00
321	B 29 C	67/20						1/10	206	C 22 B	7/00		F 16 F	9/14
322,323	B 29 C		44	C 21 B	13/00	128	C 21 D	7/10	207-211	C 21 C	7/10	64,18	F 16 F	9/342
324	D 21 J	3/00			15/00			1/10	212,213	C 21 C	1/00	64,19,64,21	F 16 F	9/04
325	B 29 C	43/00	45	C 21 B	7/12	129	C 21 D	1/42	214	C 21 C	5/04	64,22	F 16 F	9/342
326	B 29 C	35/00	46	C 21 B	7/10			1/62	215	C 21 C	1/00	64,23,64,24	F 16 F	9/04
327	B 29 C		47	C 21 B	7/16			1/62			5/42	64,25	F 16 F	9/22
328 1-328.9	B 29 B	7/00	48	B 23 K	7/00	130-134	C 21 D	1/62	216,217	C 21 C	7/00	64,26	F 16 F	5/00
	B 29 C	45/00	49	B 23 K	7/08			9/00						
330	C 08 J		50	B 23 K	7/00									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 267—Con.			163	F 16 F	1/18	22-35	B 23 Q	3/08	51	B 42 C	1/10	141	B 65 H	3/22
			164,165	F 16 F	1/20	36	B 25 B	5/14	52	B 65 H	39/00	142,143	B 65 H	3/24
64-27	F 16 F	9/04	166	F 16 F	1/06	37-45	B 25 B	1/20	52.5	B 65 H	41/00	144,145	B 65 H	1/00
64-28	F 16 F	9/43	166.1	F 16 F	1/06	46-48	B 23 Q	1/00	53	B 42 B	2/00	146	B 65 H	3/62
66-68	B 60 G	1/00			1/08	48.1	B 23 Q	3/14			2/02	147,148	B 65 H	1/08
			167	F 16 F	1/06	48.2-48.4	B 23 Q	3/00	54	B 65 H	39/02	149,150	B 65 H	1/02
			168	F 16 F	1/06	49-54.5	B 23 Q	1/00	55	B 65 H	5/30	151	B 65 H	1/22
69-74	F 16 F	1/00			3/02	55-57	B 23 Q	1/04	56	B 65 H	43/02	152,153	B 65 H	1/18
			169	F 16 F	1/06			1/06	57	B 65 H	5/30	154,155	B 65 H	1/16
75	F 16 F	13/00	170-179	F 16 F	1/12			1/10	58	B 65 H	39/02	156	B 65 H	1/14
					1/06			3/18			39/045	157	B 65 H	1/26
80	F 16 F	3/00	180	F 16 F	1/06	58-64	B 23 Q	1/04			39/055	158,159	B 65 H	1/30
			181,182	B 60 G	21/00	65-70	B 23 Q	1/04			39/065		B 65 H	1/10
			183-185	B 60 G	21/06	71-73	B 25 B	1/22			39/075	161-163	B 65 H	1/00
81-84	F 16 F	3/10	186,187	B 60 G	13/00	74-85	B 23 Q	1/12	59	B 65 H	43/00	164	B 65 H	1/22
			188-194	B 60 G	15/00			1/22	60	B 65 H	39/00	165	B 65 H	1/06
			195-227	B 60 G	7/00	86-87.2	B 25 B	1/00	95	B 65 H	33/04	166	B 65 H	1/24
85-89	F 16 F	3/00			9/00	87.3	B 43 L	5/00				167	B 65 H	3/34
90	F 16 F	15/00			11/00	88-90	B 25 B	1/00				168	B 65 H	3/58
91-101	F 16 F	3/04	228	B 60 G	11/00	91-103	B 23 Q	3/02	U.S. Class 271			169	B 65 H	3/56
102-112	F 16 F	3/00	229,230	B 60 G	11/02	104-125	B 25 B	5/14	SHEET FEEDING OR DELIVERING			170	B 65 H	3/54
113	A 47 C	27/08	231-240	B 60 G	11/36	126-131	B 25 B	1/04	1,2	B 65 H	5/00	171	B 65 H	1/00
			241	B 60 G	11/46	132	B 25 B	1/20	3	B 65 H	5/22	175	B 65 H	29/54
114	F 16 F	5/00	242-244	B 60 G	11/02	133-138	B 23 Q	3/02			83/00	176	B 65 H	43/00
			245	B 60 G	11/12	139-151	B 25 B	1/02			85/00	177	B 65 H	29/38
115	B 61 G	9/08	246	B 60 G	11/08	152-157	B 25 B	1/00			5/22	178	B 65 H	29/40
			247	B 60 G	11/14	158,159	B 25 B	1/16	31-7	B 65 H	5/22	179	B 65 H	29/42
			248-255	B 60 G	11/26	160	B 25 B	1/00	81	B 65 H	1/00	180,181	B 65 H	29/44
			256	B 60 G	11/22	161	B 25 B	1/04			3/00			29/46
116	B 61 G	11/12	257,258	B 60 G	11/32	162	B 25 B	1/08			5/00	182,183	B 65 H	29/68
			259	B 60 G	11/10	163	B 25 B	1/00			7/00	184-187	B 65 H	29/00
			260-263	F 16 F	1/26	164-215	B 25 B	1/02			9/00		B 65 H	29/70
117	A 47 C	25/00	264	B 60 G	11/12			5/02			11/00	189	B 65 H	29/34
					1/28	216-227	B 25 B	1/06	9	B 65 H	3/44	190-192	B 65 H	29/26
			265-268	B 60 G	11/10	228	B 25 B	1/14	10	B 65 H	5/00	193	B 65 H	29/30
118-120	F 16 F	5/00	269,270	B 60 G	11/12	229-236	B 25 B	5/12	11-15	B 65 H	5/08	194,195	B 65 H	29/24
					1/30	237-239	B 25 B	1/04	16,17	B 65 H	3/42	196,197	B 65 H	29/32
121	F 16 F	5/00	271	B 60 G	11/12	240-245	B 25 B	1/10	18	B 65 H	3/00	198,199	B 65 H	43/04
					1/28	246,247	B 25 B	1/10	18.1,18.2	B 65 H	3/16	200,201	B 65 H	29/50
122,123	F 16 F	13/00	272	B 60 G	11/14	248-253	B 25 B	5/10	18.3	B 65 H	3/22	202	B 65 H	29/66
124,125	F 16 F	5/00	273,274	B 60 G	11/18			5/04	19-23	B 65 H	3/30	203	B 65 H	29/68
126	F 16 F	9/18			1/10			5/10	24,25	B 65 H	7/18	204-206	B 65 H	29/04
			275	B 60 G	11/14			5/00	24.25	B 65 H	1/08	207-209	B 65 H	31/00
					1/06			5/10	30.1	B 65 H	7/02	210	B 65 H	31/38
127,128	F 16 F	9/18	276-278	B 60 G	11/18			5/10	31	B 65 H	3/20	211	B 65 H	31/00
129	F 16 F	9/36			1/34			5/10	31.1	B 65 H	3/20	212	B 65 H	31/08
			279,280	B 60 G	11/22			5/06	33	B 65 H	3/04	213,214	B 65 H	31/04
130	F 16 F	7/00			1/48			5/10	34,35	B 65 H	1/22	215	B 65 H	43/04
131	A 47 C	7/14	281,282	B 60 G	11/22	254,256	B 25 B	1/00	37	B 65 H	1/18	216	B 65 H	29/66
					1/38	257-286	B 25 B	1/24	38	B 65 H	3/24	217	B 65 H	31/10
132	B 62 J	1/00	283	B 60 G	11/02			5/16	42	B 65 H	29/66	218	B 65 H	31/12
					1/18	287-320	B 23 Q	3/00	65,66	B 65 H	29/68	219	B 65 H	31/14
133	A 47 C	7/14	284,285	B 60 G	11/18	322-328	A 61 G	13/00	67-70	B 65 H	29/34	220	B 65 H	31/26
					1/14	329	B 23 Q	3/00	72	B 65 H	29/22	221,222	B 65 H	31/36
134	F 16 F	1/00	286,287	B 60 G	11/14				73	B 65 H	29/06	223,224	B 65 H	31/20
					1/04				81	B 65 H	29/06	225	B 65 H	5/00
135	F 16 F	1/00	288	B 60 G	11/14				82	B 65 H	29/06	226	B 65 H	9/00
					1/08				83	B 65 H	29/38	227,228	B 65 H	7/02
136-140.5	F 16 M	3/00	289-291	B 60 G	11/14				84	B 65 H	29/46	229-231	B 65 H	9/14
					1/04				85	B 65 H	29/10	232	B 65 H	9/08
			292	B 60 G	11/22				90	B 65 H	3/08	233	B 65 H	9/10
					1/36				91-93	B 65 H	3/40	234-240	B 65 H	9/00
141-141.7	F 16 F	11/00	293	B 60 G	11/22				94-96	B 65 H	3/12	241	B 65 H	9/12
142-144	A 47 C	23/00			1/44				97,98	B 65 H	3/14	242-247	B 65 H	9/04
			294	B 60 G	11/22				99-103	B 65 H	3/08	248-252	B 65 H	9/16
					1/40				104	B 65 H	3/34	253-255	B 65 H	9/04
									105,106	B 65 H	3/46	256,257	B 65 H	7/00
									107,108	B 65 H	3/08	258,259	B 65 H	7/02
145,146	F 16 F	1/00							109	B 65 H	3/06	260	B 65 H	7/12
147-149	F 16 F	1/36							110,111	B 65 H	7/08	261	B 65 H	7/08
150	F 16 F	1/00							112	B 65 H	3/64	262,263	B 65 H	7/12
151	F 16 F	3/02							113	B 65 H	3/32	264	B 65 H	5/00
152	F 16 F	3/08							114-120	B 65 H	3/06	265	B 65 H	7/02
153	F 16 F	1/36							121-125	B 65 H	3/52	266-269	B 65 H	5/12
154	F 16 F	1/14							126-130	B 65 H	1/08	270	B 65 H	5/34
155	F 16 F	1/06							131	B 65 H	3/24	271	B 65 H	5/16
156	F 16 F	1/10							132	B 65 H	3/64	272-277	B 65 H	5/02
157	F 16 F	1/06							133	B 65 H	3/60			5/04
158-160	F 16 F	1/18							134	B 65 H	3/46	278-286	B 65 H	29/00
161	F 16 F	1/34							135	B 65 H	7/00	287-305	B 65 H	39/10
162	F 16 F	1/20							136	B 65 H	3/52	306-313	B 65 H	29/54
									137,138	B 65 H	3/36	314,315	B 65 H	29/20
									139,140	B 65 H				

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 272			115	A 63 B		61	A 63 B	39/00	275-291	A 63 F	3/00	404	F 41 J	1/12
AMUSEMENT AND EXERCISING DEVICES			116	A 63 B	21/00	62-64	A 63 B	37/00	292	A 63 F	1/00	405	A 63 B	63/00
1	A 63 G	31/00	117,118	A 63 B	21/06	65	A 63 B	41/00			9/20			65/00
2	A 63 G	31/00	119-121	A 63 B	21/00	67	A 63 B	59/00	293-296	A 63 F	1/02		F 41 J	1/00
3	A 63 J	3/00	122,123	A 63 B	21/072	68,69	A 63 D	15/08			9/20		F 41 J	1/10
4	A 63 K	1/00	124	A 63 B	15/00	70,71	A 63 D	15/12	297-308	A 63 F	1/00	406,407	F 41 J	1/20
		3/00	125-128	A 63 B	21/00	72	A 63 B	59/06			9/20			7/02
5	A 63 K	1/00	129	A 63 B	21/005	73	A 63 B	49/00	309	A 63 F	9/00	408	F 41 J	3/02
6	A 63 J	5/12	130,131	A 63 B	21/00	74	A 63 B	49/16	310-312	A 63 B	67/00	409	F 41 J	1/00
7	A 63 G	1/00	132	A 63 B	21/22			49/18		F 41 J	1/00	410	F 41 J	1/12
8-13	A 63 J	3/00	133,134	A 63 B	21/00	75	A 63 B	49/08			5/00	411	F 41 J	67/18
		5/00	135	A 63 B	21/02	76	A 63 B	59/04			9/00			65/00
14	A 63 J	5/04	136	A 63 B	21/04	77	A 63 B	53/00	313-316	A 63 B	67/00	412	A 63 B	67/10
15	A 63 J	5/02	137-142	A 63 B	21/02	78	A 63 B	53/06		F 41 J	5/00	415	A 63 B	65/02
16-18	A 63 G	31/16	143	A 63 B	21/00	79	A 63 B	53/10			65/00	416-423	A 63 B	65/10
		5/00	144-146	A 63 B		80	A 63 B	53/12	317	A 63 B	63/00	424,425	A 63 B	65/08
19	A 63 J	11/00	U.S. Class 273			80 1-80 8	A 63 B	53/12			69/40	427	A 63 B	65/10
20	A 63 J	23/00	AMUSEMENT DEVICES, GAMES			80 9	A 63 B	53/14			9/02			65/00
21	A 63 J	5/00				81-81 6	A 63 B	53/14		A 63 F	1/00	428	A 63 B	65/00
22,23	A 63 J	1/02	1	A 63 B	67/00	82	A 63 B	59/10		F 41 J	3/00			
24-26	A 63 J	5/00				83	A 63 B	59/00			5/00			
27	A 63 J	23/00				84	A 63 B	59/00			7/00			
28,29	A 63 G	1/00	1.5	A 63 B	63/00	85	A 63 F	7/06			9/00			
30	A 63 G	1/32				86	A 63 F	9/14	318-330	A 63 B	59/02			
31	A 63 H	13/20				87-88	A 63 F	7/06			65/12			
32	A 63 G	3/00	2	A 63 D	13/00	89	A 63 F	7/22	331-335	A 63 B	63/00			
33	A 63 G	1/12				90-94	A 63 F	7/06			67/06	1	B 41 B	3/00
34	A 63 G	1/08	3	A 63 D	15/00	108-117	A 63 B	67/14			67/10	2-7	B 41 B	11/00
		1/10	4	A 63 D	15/04	118	A 63 D	3/00			67/06	8	B 41 B	11/38
35-43	A 63 G	1/00	5	A 47 C	13/00			13/00	336-339	A 63 B	67/06	9-11	B 41 B	11/44
44,45	A 63 G	1/34				119-122	A 63 F	3/02	340	A 63 B	67/00	12-16	B 41 B	11/18
46	A 63 G	1/00	6,7	A 63 D	15/00			3/02	341	A 63 B	67/12	17	B 41 B	11/24
47	A 63 G	1/06	8,9	A 63 D	15/06	123-125	A 63 F	7/22	342	A 63 B	67/00	18,19	B 41 B	11/18
48-51	A 63 G	1/00	10-13	A 63 D	15/00	126	A 63 F	3/00	343-347	A 63 B	65/00	20,21	B 41 B	11/26
52-53,2	A 63 G	17/00	14	A 63 D	13/00	127-129	A 63 B	71/00			67/00	22-27	B 41 B	3/04
54-56	A 63 G	11/00				138	A 63 B	71/00			3/00	28-33	B 41 B	3/06
56,5	A 63 G	21/00	17-21	A 63 D	15/16			1/00	348	A 63 B	63/00	34	B 41 B	1/00
61	A 63 B	7/02	22	A 63 D	15/00	139-144	A 63 F	1/18			67/00	35	B 41 B	1/16
62	A 63 B	1/00	23,24	A 63 D	15/10	145,146	A 63 F	9/04		A 63 F	9/02	36,37	B 41 B	1/06
63	A 63 B	3/00	25	A 63 B	67/00	147	A 63 F	5/04		F 41 J	1/00	38,39	B 41 B	1/26
64	A 63 B	5/12				148	A 63 B	71/00			3/00	40	B 41 B	1/28
65	A 63 B	5/00	26	A 63 B	69/40			1/12			5/00	41-43	B 41 B	1/20
66	A 63 B	5/10	27	A 63 C	19/12	149	A 63 F	1/14			9/00	44,45	B 41 B	1/22
		5/08	28	A 63 B	37/00			1/14			9/00			
67	A 63 B	5/00				150,151	A 63 F	1/10	348 1	F 41 J	1/00			
68	A 63 B	21/072	29	A 63 B	61/00	153,154	A 63 F	9/06			2/02			
		23/035				155,156	A 63 F	9/08			7/00			
69	A 63 B	22/02	30	A 63 B	39/00	157	A 63 F	9/10	349	A 63 B	67/00			
70	A 63 B	1/00						9/12	350	A 63 B	63/00	1,2	E 21 B	33/00
		3/00				158-160	A 63 F	9/08	351	A 63 B	67/00		F 16 J	9/00
70,70 2	A 63 B	23/04	31	A 63 C	19/06	161	A 63 F	1/00	352	A 63 B	63/00		F 16 K	41/00
70,3,70 4	A 61 H	3/00						9/00	353	A 63 B	67/02	3	E 21 B	33/00
71	A 63 B	31/00	32	A 63 B	55/00	162-164	A 63 B	53/00	354	A 63 B	63/00		F 16 J	15/00
72	A 63 B	69/06				165,166	A 63 B	53/14	355	A 63 B	65/00			15/40
73	A 63 B	21/00				167,168	A 63 B	53/04			65/12	4	F 16 K	41/00
		23/04	32 5-34	A 63 B	57/00	169-172	A 63 B	53/08			69/40		E 21 B	33/00
74	A 63 B	5/22	35	A 63 B	69/36	173-175	A 63 B	53/04	356,357	F 41 J	1/00		F 16 J	15/00
75	A 63 B	5/20	37	A 63 D	1/00	176	A 63 B	67/02	358	F 41 J	9/14	5	F 16 K	41/02
76-78	A 63 B	69/00	38,39	A 63 D	5/00	177-180	A 63 B	57/00	359	A 63 B	63/00		E 21 B	33/00
85	A 63 G	9/00	40	A 63 D	7/00	181-200	A 63 B	69/36			67/00		F 16 J	15/00
86-92	A 63 G	9/16	41-45	A 63 D	5/00	201-212	A 63 B	57/00	360,361	F 41 J	9/08		F 16 K	41/00
93	A 63 B		46	A 63 D	5/08	213	A 63 B	43/00	362-365	F 41 J	9/16	6-8	F 16 L	21/02
94,95	A 63 B	23/00	47-49	A 63 D	5/02	214	A 63 B	37/02	366-370	A 63 B	63/00		F 16 J	15/00
96	A 63 B	23/04	50	A 63 B	71/06	215	A 63 B	37/08		F 41 J	9/00		F 16 K	41/00
97	A 63 B	69/18				216-218	A 63 B	37/00	371-377	F 41 J	5/02		F 16 L	33/16
98	A 63 B	69/02	51	A 63 D	1/04	219	A 63 B	37/02			5/04	9	F 16 J	9/00
99	A 63 B	23/00				220-229	A 63 B	37/00			5/08			15/00
100	A 63 B	5/00	52	A 63 D	5/06	230	A 63 B	37/02			5/12		F 16 K	41/00
101	A 63 K	3/04	53	A 63 D	1/00	231	A 63 B	37/08	378-380	F 41 J	5/14	9,5-11	F 16 J	9/00
102,103	A 63 B	5/02	54	A 63 D	5/00	232	A 63 B	37/14			7/04			15/00
104	A 63 B	5/06	55	A 63 B	67/00	233-235	A 63 B	37/12			5/06		F 16 K	41/00
105	A 63 K	3/02	56	A 63 B	59/10	236-241	A 63 F	3/00	381,382	F 41 J	5/00	12	F 02 F	
106	A 63 B	65/04				242	A 63 F	3/02	383	F 41 J	5/14		F 16 J	9/00
107	A 63 B	65/10	57	A 63 B	67/04	243-257	A 63 F	3/02			7/04			15/00
108	A 63 B	65/06	58	A 63 B	37/00	258-264	A 63 F	3/00	384-393	F 41 J	5/14	13,14	F 16 J	15/16
109	A 63 B					265-267	A 63 F	3/08	394-402	A 63 B	63/00			15/42
110	A 63 B	9/00				268	A 63 F	3/06		F 41 J	1/00			15/44
111	A 63 B	7/08				269-271	A 63 F	3/00			3/00	15,16	F 16 J	15/00
112	A 63 B	7/04	59	A 63 B	37/06	272,273	A 63 F	3/08	403	F 41 J	3/00			15/16
113	A 63 B		60	A 63 B	37/12	274	A 63 F	3/08						
114	A 63 B	25/08												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 277—Con.				F 16 J	15/40			15/00						
		15/44			15/44	156	F 02 F	5/00	207	F 16 K	41/00		B 25 G	3/22
		53/00			53/00		F 16 J	9/06		F 16 J	9/00	2	B 23 B	5/22
17-21	B 65 D	15/40	74-79	B 65 D	53/00			9/16			15/00			5/34
	F 16 J	15/00		F 16 J	15/16			15/00		F 16 K	41/00			31/14
		15/40			15/40			15/00		F 16 L	19/00			31/40
		15/44			15/44	157-165	F 02 F	5/00	208-210	F 16 J	9/00	3	B 23 B	5/22
		15/44	80	E 21 B	33/00		F 16 J	9/06			15/00			5/34
22	F 02 F	11/00		F 16 J	9/00			15/00		F 16 K	41/00			31/30
	F 16 J	15/00			15/00		F 16 K	41/00	211	B 65 D	53/00	4	B 23 B	5/22
		15/40			41/00	166	B 65 D	53/00		F 16 J	15/00			31/10
		15/44		F 16 K	15/34		F 16 J	9/06		F 16 K	41/00			31/30
23	B 65 D	53/00	81-84	F 16 J	15/54			15/00		F 16 L	19/00	5	B 23 B	5/22
	F 16 J	15/00			15/34		F 16 K	41/00	212	B 61 F	15/22			5/34
		15/40	85-87	F 16 J	15/38	167	B 65 D	53/00		F 16 J	9/08			31/36
		17/00			15/54		F 16 J	9/04			15/32		H 25 G	3/22
24	F 16 L	33/08	88-90	F 16 J	15/36			15/00	213	B 65 D	53/00	6	B 23 B	5/22
	E 21 B	15/00			15/54		F 16 K	41/00		F 16 J	9/00			5/34
	F 16 J	15/16	91	F 16 J	15/34	167.3,167.5	F 16 J	9/00			15/00			31/00
		41/00			15/54			15/00		F 16 L	19/00		B 25 G	3/22
25	F 16 K	15/16	92	F 16 J	15/38		F 16 K	41/00	214,215	B 65 D	53/00	7	B 23 B	31/00
	F 16 J	15/42			15/54	168-172	B 65 D	53/00		F 16 J	9/00		B 25 G	3/22
		15/44	93-96	F 16 J	15/34		F 16 J	9/00			15/00	8	B 23 B	5/22
26	F 02 F	5/00			15/54			15/00		F 16 K	41/00			5/34
	F 16 J	9/00	96.1,96.2	F 16 J	15/34		F 16 K	41/00	216,217	F 02 F	5/00			31/00
		15/00	97-100	E 21 B	33/00	173-177	B 61 F	15/22		F 16 J	9/00	9	B 25 G	3/22
		41/00		F 16 J	15/00		F 16 J	9/00		F 16 K	15/00		B 23 B	5/22
27	F 16 K	15/16		F 16 K	41/00			15/00			41/00			5/34
	F 16 J	15/40	101	B 65 D	53/00		F 16 K	41/00	218,219	F 02 F	5/00			31/00
		17/00		E 21 B	33/00	178	B 61 F	15/22		F 16 J	9/18			31/103
28,29	F 02 F	11/00		F 16 J	15/00		F 16 J	9/04			15/00	14-20	B 25 G	3/22
	F 16 J	9/00	102	B 65 D	53/00			15/00		F 16 K	41/00		B 23 B	5/22
		15/00		E 21 B	33/00		F 16 K	41/00	220-222	F 02 F	5/00			5/34
		41/00		F 16 J	15/00	179	B 65 D	53/00		F 16 J	9/14			31/00
30	F 16 K	41/00		F 16 L	21/04		F 16 J	15/00			15/00		B 25 G	3/22
	E 21 B	33/00	103	B 65 D	53/00		F 16 L	19/02	223,224	F 02 F	5/00	22-24	B 23 B	5/22
	F 02 F	11/00		E 21 B	33/00			21/02		F 16 J	9/00			5/34
	F 16 J	15/16		F 16 J	15/00	180	B 65 D	53/00			15/00			31/12
31	E 21 B	33/00			15/40		E 21 B	15/00		F 16 K	41/00		B 25 G	3/02
	F 16 J	15/16	104-124	B 65 D	53/00		F 16 J	15/00	225,226	B 65 D	53/00	28	B 23 B	5/22
	F 16 K	41/00		E 21 B	33/00		F 16 L	19/02		F 16 J	15/00			5/34
32	F 02 F	5/00		F 16 J	15/00	181-187	B 65 D	53/00		F 16 K	41/00			31/107
		11/00		F 16 L	21/04		E 21 B	33/00		F 16 L	19/00			31/12
	F 16 J	15/00	125	B 65 D	53/00		F 16 J	15/00	227	B 65 D	53/00		B 25 G	3/02
	F 16 K	41/00		E 21 B	33/00	188	B 65 D	53/00		F 02 F	11/00	29	B 23 B	5/22
33	F 16 J	15/00		F 16 J	15/00		E 21 B	33/00		F 16 J	15/00			5/34
	F 16 K	41/00	126	B 65 D	21/00		F 16 J	15/00	228	F 16 K	41/00			31/12
		43/00			53/00	189	B 65 D	53/00		B 65 D	53/00		B 25 G	3/02
34-34.6	E 21 B	33/00		E 21 B	33/00		F 16 L	21/02		F 16 J	15/00	30	B 23 B	5/22
	F 16 J	15/46		F 16 J	15/00		E 21 B	33/00	229-237	F 16 K	41/00			5/34
	F 16 K	41/00		B 65 D	53/00		F 16 J	15/00		B 65 D	53/00			31/107
	F 16 L	33/16	127	B 65 D	53/00		E 21 B	33/00		F 02 F	11/00			31/12
35-37	B 65 D	53/00		E 21 B	33/00	189.5	B 65 D	53/00		F 16 J	15/00		B 25 G	3/02
	F 16 J	15/00		F 16 J	15/46		E 21 B	33/00		F 16 K	41/00	32-65	B 23 B	5/22
	F 16 K	41/00	128-132	B 65 D	53/00		F 16 J	9/22			41/00			5/34
38-43	F 16 J	9/00		E 21 B	33/00		F 16 J	15/00			15/00			31/12
		15/40		F 16 J	15/00	190,191	B 65 D	53/00			53/00	66-75	B 25 G	3/02
	F 16 K	41/00	133,134	B 61 F	15/22		E 21 B	33/00			33/00		B 23 B	5/22
44-52	B 65 D	53/00		F 16 J	15/54		F 16 J	9/00			9/00			5/34
	F 16 J	15/00	135	B 65 D	53/06			15/00			15/00			31/16
	F 16 L	41/00		F 16 J	15/14	192	F 16 J	9/00			9/00	76-87	B 23 B	5/22
53-57	F 02 F	11/00			15/40			15/00			15/00			5/34
	F 16 J	15/48	136,137	B 65 D	53/00		F 16 K	41/00	1	B 62 C				31/12
58	E 21 B	33/00		F 16 J	9/24		F 16 J	9/16		B 68 B			B 25 G	3/02
	F 16 J	9/00			15/00	193		15/00	2	B 62 C		89-95	B 23 B	5/22
		15/00			41/00			41/00		B 62 C	1/02			5/34
59	F 16 K	41/00	138-146	F 02 F	5/00		F 16 K	41/00	2.1	B 62 C	5/00			31/10
	B 65 D	53/00		F 16 J	9/06	194	F 16 J	9/02	3-20	B 62 C	5/00		B 25 G	3/02
	F 16 J	15/00			15/00			9/16	21-32	B 62 C	11/00		B 23 B	5/22
		15/40			41/00			15/00		B 68 B	5/08	96		5/34
60	B 65 D	53/00	147	F 16 K	41/00		F 16 K	41/00	33-101	B 62 C	5/00			31/10
	F 16 J	15/16		F 02 F	5/00	195-199	F 16 J	9/16	102-125	B 62 C	5/00		B 25 G	3/22
	F 16 K	41/00		F 16 J	9/10			15/00		B 68 B	3/00		B 23 B	5/22
61-63	F 16 J	9/00	148-151	F 02 F	5/00	200	F 16 J	9/20			5/00	97		5/34
		15/00		F 16 J	9/06			15/00	126-130	B 62 C	5/00			31/10
		41/00			15/00	201,202	F 16 J	9/00			11/00		B 25 G	3/22
64	B 65 D	53/00		F 16 K	41/00			15/00			7/00		B 23 B	5/22
	F 16 J	15/16	152,153	F 02 F	5/00		F 16 K	41/00				99		5/34
	F 16 K	41/00		F 16 J	9/06	203	F 16 J	9/04						31/10
65	F 16 J	15/38			15/32			15/00						31/11
66	E 21 B	33/00	154	F 02 F	5/00	204	F 16 K	41/00						31/113
	F 16 J	9/00		F 16 J	9/06		F 16 J	15/00					B 25 G	3/30
		15/00			15/00		F 16 K	41/00					B 23 B	5/22
67	F 16 K	41/00		F 16 K	41/00	205,206	F 16 L	19/02				100,101		5/34
	B 61 F	15/22	155	F 02 F	5/00		F 16 J	9/08						31/10
	F 16 J	15/54		F 16 J	9/06			15/32					B 25 G	3/30
68-73	B 65 D	53/00			9/18			15/48						

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 279—Con.														
102	B 23 B	5/22	11.28	A 63 C	17/00	160.1	B 60 R	19/00		B 62 D	53/06	730	B 60 R	21/22
		5/34			1/24		B 62 J	15/00	433-441.2	B 62 D	53/06	731.732	B 60 R	21/16
		31/10	11.3	A 63 C	17/00	161,162	B 60 R	19/00	442-445	B 62 D	13/00	733	B 60 R	21/18
		31/117			1/02	163-169	B 60 R	3/00	446.1-503	B 60 D		734,735	B 60 R	21/32
		3/10			1/04	170-178	B 62 C	9/00	504	B 60 D	1/01	736,737	B 60 R	21/26
		5/22			1/18	180	B 60 P	7/00			1/14	738,739	B 60 R	21/30
103	B 25 G	5/22			1/20	181-185	B 62 C	9/00			1/167	740-742	B 60 R	21/28
	B 23 B	5/34			1/22	186-192	B 62 C	7/00			1/173	743	B 60 R	21/20
		31/10	11.31-11.34	A 63 C	9/00			11/00	505-515	B 60 D		748	B 60 R	21/02
		31/10			1/04	200	B 62 K		600,601	A 63 C	5/00			21/11
		3/10			9/00		B 62 M		602	A 63 C	5/07	749	B 60 R	21/06
104	B 25 G	5/22	11.36	A 63 C	3/02	201	B 62 J	11/02	603	A 63 C	5/02	750	B 60 R	21/05
	B 23 B	5/34	12.1-28.18	B 62 B	9/04	202	B 62 J	7/00	604,605	A 63 C	5/00	751	B 60 R	21/04
		31/10			13/00			11/00	606	A 63 C	5/06			21/055
		3/14			15/00		B 62 K	27/00	607	A 63 C	5/00	752	B 60 R	21/045
105	B 25 G	5/22			17/00	203,204	B 62 K	27/00	608,609	A 63 C	5/04	753	B 60 R	21/04
	B 23 B	5/34			19/00	205-208	A 63 G	25/00	610	A 63 C	5/00	754	B 60 G	25/00
		31/10			27/00			27/00	611-617	A 63 C	9/00		B 60 R	21/00
		3/02			29/00			29/00			9/08			27/00
106-109	B 25 G	5/22	28.5	B 62 D	57/00		B 62 K	1/00	618	A 63 C	9/081	755	B 60 R	21/00
	B 23 B	5/34	29	B 60 G				17/00			9/082		B 60 S	9/00
		31/12		B 60 R		209	B 62 K	13/06	619-622	A 63 C	9/00		F 16 M	
		3/22		B 62 B		210,211	B 62 K	11/00			9/06	756	B 60 R	21/13
110-122	B 25 G	5/22		B 62 B			B 62 M		623-635	A 63 C	9/10	757-759	B 60 S	9/00
	B 23 B	5/34	30-32	B 60 F		212-217	B 62 M	1/10			9/16	760	B 60 R	
		31/16		B 62 B	1/04			27/00			9/18	761	B 60 S	9/18
		3/22			3/02	218,219	B 62 M	29/00			9/20	762	B 60 R	
123	B 25 G	5/22			7/12	220-235	B 62 M	1/00			9/22	763.1-766.1	B 60 S	9/02
	B 23 B	5/34	32.5	A 01 D	67/04	236-238	B 62 M	9/00			9/24	767-770	B 60 R	
		31/16			75/00			25/00	636,637	A 63 C	9/00	771	B 62 D	1/00
		31/39			1/00	239	B 62 K	5/00	638-659	B 62 B	1/00	772	B 62 D	9/02
	B 25 G	3/22	32.6	B 25 H	5/00	240	B 62 K	21/00			3/00	773	B 62 D	3/14
				B 62 B	11/00	241	B 62 M	1/00			5/00	774	B 62 D	1/24
				B 62 D	63/00	242.1-250.1	B 62 M	1/14			7/00	775	B 62 D	1/18
			32.7	B 62 D	39/00	251	B 62 M	1/08			9/00	776	B 62 D	15/02
			33.991-33.998	B 62 D	1/00	252	B 62 M	1/04	660	B 60 G		777	B 62 D	1/11
			35	B 62 B	3/02	253-258	B 62 M	1/00		B 62 D				1/18
					7/06			5/00	661	B 62 D	17/00			1/19
					21/14	259-262	B 62 M	1/02	662-675	B 60 G		778	B 62 D	1/04
					33/08	263-280	B 62 K	1/00		B 62 D				1/12
1	B 60 R				61/12			17/00	676	B 60 G	5/00	779,780	B 62 D	1/16
112-1.23	A 63 G	13/00			15/00			21/00			5/01	781	B 62 D	21/00
		17/00			19/00			3/00	677-679	B 60 G	5/00			21/15
		25/00	37-42	B 62 K	7/06			5/00	680	B 60 G	5/03			21/16
		1/00		B 62 B	13/02			7/00			5/047			21/17
1.5	B 62 M	51/04		B 62 D	21/14			9/00			5/053	782,783	B 62 D	24/00
2	B 60 S	11/00			33/08			11/00			5/00			21/00
	B 62 D	39/00		B 62 K	15/00			13/00	681-687	B 60 G	5/00			21/15
3	B 62 D	1/16	43-43.24	B 62 D	21/14			15/00	688	B 60 G	1/00			21/16
4	A 62 C				33/08	281.1-288.3	B 62 K	1/00			5/00			21/17
	B 60 P	3/00			61/12			3/00			7/00	784	B 62 D	7/22
52-5.32	B 62 B	5/02	46.47	B 62 B	1/08			5/00			9/00			21/00
		9/02	47.1	B 62 B	9/22			7/00			11/00			21/15
61-6.12	B 60 S	9/00	47.11	B 62 B	3/00			9/00			11/10			21/16
	B 62 D	37/00			7/04			11/00			11/15			21/17
7	B 60 P	3/22	47.12	B 62 B	1/08			13/00			11/16	785	B 62 D	21/12
7.1-7.17	A 63 C	17/18	47.131-47.331	B 62 B	1/00	288.4-304.5	B 62 H				11/20	786,787	B 62 D	21/04
	B 62 K	13/00			7/02						11/23	788	B 62 D	7/22
8-11	B 62 B	13/18	47.34-47.371	B 62 B	3/00						11/24			21/00
		19/00			11/00	400	B 62 J				11/27			21/11
11.115	A 63 C	1/00	47.38-47.41	B 62 B	7/00		B 60 D	1/24			11/28	789	B 62 D	63/06
		5/00			9/00			1/48			17/005	790-792	B 62 D	21/00
		17/12	62	B 62 D	61/06			1/58			17/01			21/05
11.12	A 63 C	1/00	63-77	B 62 C	1/00		B 62 D	13/00			17/015			21/07
		3/00		B 62 D	61/00			59/00			17/02	793,794	B 62 D	21/06
		5/00	78	B 62 D	61/00	401	B 62 D	63/00			21/00	795-800	B 62 D	21/00
		7/00	79	B 62 B	5/00	402	B 60 P	3/06	689	B 60 G	21/00			21/03
		9/00		B 62 D	9/04		B 62 D	53/04	690	B 60 G	3/00	801	B 60 R	22/00
		11/00	79.11-79.7	B 62 B	1/00	403	B 60 D	5/00			3/01			22/48
11.14	A 63 C	1/24			5/00	404	B 60 P	3/022	691-701	B 60 G	3/00	802	B 60 R	22/04
11.15	A 63 C	1/26	80.1-86	B 60 G			B 62 D	53/00	702	B 60 G	11/26	803	B 60 R	22/08
		1/28		B 60 P		405.1-413	B 60 D				15/07	804	B 60 R	22/06
11.16	A 63 C	1/22		B 62 D			B 62 D	53/00			15/14	805	B 60 R	22/28
11.17	A 63 C	1/00	87.01-87.05	B 62 M	1/00	414.1	B 60 P	3/071	703	B 60 G	21/00	806	B 60 R	22/36
11.18	A 63 C	1/30	87.051	B 62 B	7/00			3/10	704-714	B 60 G	11/26			22/46
11.19	A 63 C	17/00	87.1-149.2	B 60 G			B 62 D	63/00	715	B 60 G	11/32	807	B 60 R	22/34
11.2,11.21	A 63 C	17/14		B 60 P		414.2,414.3	B 60 P	3/10	716,717	B 60 G	11/22	808	B 60 R	22/00
		17/20		B 62 D			B 62 D	63/00	718-720	B 60 G	11/02	809-812	A 63 C	11/00
11.22	A 63 C	17/02	151	B 60 S	9/00	414.5	B 60 G		721-723	B 60 G	11/18	813	A 63 C	11/18
		17/04	152.05-157	B 62 D	25/18	415.1-418.1	B 60 F		724-726	B 60 G	11/14	814	A 63 C	11/02
11.23	A 63 C	17/04	158.1	B 60 C		419	B 62 D	12/00	727	B 60 P	1/43	815	A 63 C	17/26
11.24	A 63 C	17/08	159	B 62 B	9/14			13/00			16/00	816	A 63 C	11/00
11.25	A 63 C	17/04			9/16	420-422	B 60 D	1/62			21/00	817,818	A 63 C	11/22
11.26	A 63 C	1/22		B 62 D	25/16		B 60 R	16/00				819	A 63 C	11/00
		17/00	160	B 60 R	19/00	423.1-431	B 62 D	53/06	728	B 60 R	21/16	820-823	A 63 C	11/24
11.27	A 63 C	1/00		B 62 D	25/16	432	B 60 T	7/12	729	B 60 R	21/24	824	A 63 C	

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 280—Con.			18	B 41 L	5/04	24	F 16 L	35/00	94	F 16 L	7/00	230	F 16 L	49/00
825	A 63 C	3/12	19	B 41 L	5/00	25,26	B 61 G	5/08			9/00	231-233	F 16 L	21/00
826	A 63 C	17/28	20,21	B 41 L	5/04		F 16 L	35/00	95-113	F 16 L	17/00	234	F 16 L	13/14
827-829	A 63 G	13/00	22-24	B 41 L	1/24			55/00			33/16			19/04
		15/00	25-27	B 41 L	1/20	27	F 16 L	35/00	114-116	F 16 L	13/04			21/00
		17/00	28	B 41 L	1/16			55/00			35/00	235-237	F 16 L	21/00
		19/00	29	B 41 L	3/00	28-30	F 16 L	39/00	117	F 16 L	35/00	238-259	F 16 L	33/00
		25/00						55/00			55/00			47/00
830-839	B 62 M	1/00	U.S. Class 283			31	F 16 L	21/00	118	F 16 L	27/00	260	F 16 L	31/00
840	B 60 P	3/22	PRINTED MATTER			32	F 16 L	25/00	119,120	F 16 L	55/00	261-271	F 16 L	27/04
841-844	A 63 C	1/00	2-4	B 42 D	5/04			25/00	121	F 16 L	45/00	272-282	F 16 L	27/00
		3/00	5	B 42 D	15/00	33-35	F 16 L	27/12			55/00	283	F 16 L	25/00
		7/00	17	G 09 C	1/00			37/00	122,123	F 16 L	27/00			35/00
		9/00	23,24	B 42 D	15/00			55/00			55/00	284	F 16 L	13/00
		11/00	25-29	G 09 F	3/00	36	F 16 L	35/00	124-127	F 16 L	43/00	285	F 16 L	13/00
		17/00	30-33	B 42 D	15/00			55/00	128,129	F 16 L	55/00			47/02
845	A 62 B	9/04	34,35	G 09 B	29/00	37	F 16 L	17/00		H 05 K	5/00			55/00
846	B 60 P		36-43	B 42 F	21/00			21/02	130	B 65 D	47/00	286	F 16 L	13/02
	B 62 D		44	G 09 B	19/02			33/18		F 16 L	39/00	287	F 16 L	13/00
847-854	B 62 B	9/14			23/02			55/00	131-133 2	F 16 L	41/00			13/08
		9/16	45	G 09 B	11/00	38	F 16 L	35/00			47/00			47/00
855,856	B 60 E	1/68			19/08			37/00	134	F 16 L	39/04			47/02
			46	G 09 B	17/02			55/00			41/00	288	F 16 L	47/00
			48.1	G 09 B	19/22	39	F 16 L	35/00			47/00	289	F 16 L	15/02
U.S. Class 281			49-52	G 09 B	19/00			55/00	135,136	F 16 L	41/00			27/12
BOOKS, STRIPS AND LEAVES			52.1	G 09 B	19/22	40	F 16 L	35/00			47/00			39/04
			53-55	B 42 D	15/00			41/04	137.1,137.2	F 16 L	39/00			47/00
			56	G 09 F				55/00	138,139	E 21 B	19/00			49/00
2.3.1	B 42 D	1/00	57-65	B 42 D	15/00			55/00		F 16 L	21/00	290-297	F 16 L	47/00
II	B 42 D	3/04	66,1,66.2	B 42 D	11/00	41	F 16 L	53/00			25/00	298	F 16 L	27/12
4.1	B 42 D	1/00			12/00			55/00			55/00	299-301	F 16 L	15/02
5-14	B 42 D	19/00			12/02	42-44	E 04 B	5/48	140-148	E 21 B	19/10	302,303	F 16 L	27/12
15.1	B 42 D	1/00			15/00		E 04 D	13/00		F 16 L	21/00			39/04
		5/00	67-70	B 42 D	15/00	45	F 16 L	11/12	149	F 16 L	39/00			49/00
16	B 42 D	1/00	71	G 09 F	3/00			55/00	150-156	F 16 L	41/00	304	F 16 L	37/00
17	B 42 D	3/04	72	B 42 D	15/10	46	E 04 F	19/00	157	F 16 L	3/04	305	F 16 L	37/00
18	B 42 D	1/00	73	B 42 D	15/00		F 16 L	5/00	158,159	F 16 L	5/00	306	F 16 L	37/06
19.1,19.2	B 42 D	3/04	74-80	B 42 D	15/00	47-50	F 16 L	11/12			41/00			37/16
20	B 42 D	1/00	81-904	B 42 D	15/00			59/16	160	F 16 L	3/04	307-310	F 16 L	37/00
		5/00				51	F 16 L	27/04			5/00	311	F 16 L	37/20
21.1	B 42 D	1/00						35/00			27/04	312	F 16 L	37/00
22	B 42 D	1/08						59/16	161,162	F 16 L	3/04	313	F 16 L	37/00
	B 42 F	5/00						19/02			5/00	314-316	F 16 L	37/18
23-28	B 42 D	1/00	U.S. Class 285					55/00	163,164	F 16 L	27/00	317-321	F 16 L	39/00
29	B 42 D	3/00	PIPE JOINTS OR COUPLINGS					59/16	165	F 16 L	15/02	322-324	F 16 L	21/06
30	B 42 D	3/00	1.2	F 16 L	35/00			11/12			27/12	325,326	F 16 L	25/00
		3/12			37/00	3.4	F 16 L	35/00	166,167	F 16 L	27/04			33/22
31,32	B 42 D	3/00			55/00			59/16	168	F 16 L	27/00			37/26
33	A 47 B	23/00			37/00	53,54	F 16 L	11/12	169-171	F 16 L	55/00	327	F 16 L	37/26
	B 42 B	3/00			15/00			59/16	172	F 16 L	13/00	328-334.5	F 16 L	25/00
34	B 42 D	3/04			55/00			9/14			47/02			35/00
35	B 42 D	3/00	5	B 05 B	15/00			59/16			55/00	335-338	F 16 L	17/00
		3/02		F 16 L	37/00			11/00	173-176	F 16 L	55/00			19/00
36,37	B 42 D	3/00	6	F 16 L	55/00			11/12	177	F 16 L	25/00	339-343	F 16 L	21/02
38	B 42 D	1/00	7	A 47 L	9/24			51/02	178	F 16 L	55/00			19/06
		5/00	8	E 03 C	1/00			55/00	179-183	F 16 L	43/00			19/08
39	B 42 D	1/00		F 16 L	21/00			55/00	184,185	F 16 L	27/00	344-362	F 16 L	17/00
40,41	B 42 D	5/00			55/00			55/00	187	F 16 L	5/00			19/00
42	B 42 D	9/00	9.1,9.2	F 16 L	25/00			51/02	188	F 16 L	5/00	363-368	F 16 L	17/00
43,44	B 42 D	17/00			55/00			55/00	189	F 16 L	27/00			33/18
45-50	B 42 D	3/00	10,11	F 16 L	17/00			55/00	190	F 16 L	27/00			21/02
		7/00			25/00			55/00			41/00	369-377	F 16 L	17/00
		17/00	12	F 16 L	55/00			55/00	191-218	F 16 L	5/00			19/00
51	B 42 D	3/18			55/00			55/00			41/00			21/02
			13,14	F 16 L	55/00			55/00	219-221	F 16 L	5/00	378-380	F 16 L	17/00
U.S. Class 282			15-17	F 16 L	55/18			55/00			41/00			33/18
MANIFOLDING					55/00			55/00			41/00			4/00
			18,19	F 16 L	35/00			55/00			21/02			25/00
1	B 41 L	1/00			55/00			55/00			27/10	381	F 16 B	13/14
		3/12	20	F 16 L	35/00			55/00			27/10	382-382.7	F 16 L	19/04
		5/16			41/04			55/00	226-229	F 16 L	21/00			19/08
2,3	B 41 L	1/20	21,22	F 16 L	13/02			33/16						
4	B 41 L	5/00			47/02			35/00						
5	B 41 L	5/04			55/00			55/00	222	F 16 L	41/00			
6	B 41 L	5/00			55/00			55/00	223	F 16 L	27/10			
7	B 41 L	5/04			55/00			55/00	224,225	F 16 L	21/02			
8-12	B 41 L	1/20	23	B 65 D	57/00			55/00						
13,14	B 41 L	5/00			59/00			55/00						
15,16	B 41 L	5/04			55/00			55/00						
17	B 41 L	5/00			57/00			55/00						

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 285—Con.														
383-389	F 16 L	25/00	27,28	H 02 K	23/52	8	E 05 C	9/10	45-47	E 05 C	9/00	184-188	E 05 C	1/06
390	F 16 L	15/00		B 60 L	23/60			7/00			3/06			1/12
391	F 16 L	15/00		B 61 C	11/02			9/00			3/16	189	E 05 C	1/04
	F 16 L	15/00		F 02 N	11/04	9	E 05 C	7/00			7/00			1/10
392-393	F 16 L	37/00	29	B 60 L	11/02			9/00	48	E 05 C	9/10	190-193	E 05 C	1/02
	F 16 L	15/00		H 02 K	23/60	10	E 05 C	7/00			3/06	194	E 05 C	3/02
394-396	F 16 L	25/00	30	B 60 L	11/02			9/00			3/16	195-201	E 05 C	3/06
397-402	F 16 L	21/00		F 02 M	11/08			19/06			7/00	202-204	E 05 C	3/04
403,404	F 16 L	21/00	31-35	F 02 N	11/04	11	E 05 C	7/00	49,50	E 05 C	3/06	205	E 05 B	39/02
	F 16 L	37/24		H 02 K	23/52			9/00			3/16			67/00
405-416	F 16 L	23/00		H 02 P	9/04			7/00			7/00	206,207	E 05 C	3/04
417-419	F 16 L	21/00	36	F 02 N	11/04	12	E 05 C	7/00			9/10	208	E 05 B	39/02
420-421	F 16 L	25/00		H 02 P	9/04			9/00	51	E 05 C	3/06	209,210	E 05 C	3/04
422-925	F 16 L	25/00	37	F 02 M	11/06	13	E 05 C	7/00			3/16	211	E 05 B	39/02
		35/00		H 02 P	9/04			9/00			7/00			3/04
		55/00	38	F 02 H	11/00			19/06			9/12			3/04
				H 02 P	9/04			7/00			3/06	212	E 05 C	3/04
			39	H 02 K	23/60	14	E 05 C	9/00	52,53	E 05 C	3/16	213	E 05 C	3/02
				H 02 P	9/04			19/02			7/00			3/12
			40,41	F 02 N	11/06	15	E 05 C	7/00			9/10	214-217	E 05 C	3/06
				H 02 P	9/04			9/00	54	E 05 C	3/04			3/16
			42	F 02 B	13/10			19/04			7/00	218	E 05 C	3/04
					13/12	16	E 05 C	7/00			9/10			3/14
12	D 04 G	5/00		H 02 P	9/04			9/00			9/10	219	E 05 C	3/12
15	B 65 H	69/04	43	F 03 B	13/00			19/02	55	E 05 C	3/06	220-227	E 05 C	3/16
2	A 01 D	59/04			13/10	17	E 05 C	7/00			3/16	228	E 05 C	3/14
	B 65 H	69/04		H 02 P	9/04			9/00			7/00	229	E 05 C	3/02
3	D 03 J	1/16	44	F 03 D	9/00			19/02			9/10	230	E 05 C	3/02
4-16	B 65 H	69/04		H 02 P	9/04			19/06	56	E 05 C	9/12			3/12
16-5	B 65 H	69/04	45	B 60 L	11/02	18	E 05 C	7/00	57	E 05 C	5/02	231-237	E 05 C	3/06
	D 04 G	5/00		B 61 C	9/38			9/00	58	E 05 C	5/04			3/16
17	D 03 J	3/00	46	F 02 N	11/04			19/02	59,60	E 05 C	5/02	238	E 05 C	3/04
181	B 65 H	69/04		H 02 K	23/52	19,20	E 05 C	7/00	61	E 05 C	5/04			3/14
				H 02 P	9/04			9/00	62-69	E 05 C	5/00	239	E 05 C	3/02
			47	F 02 N	11/04			19/06	70	E 05 C	19/02	240	E 05 C	3/02
				H 02 P	9/04	21	E 05 B	65/10	71	E 05 C	5/00	241	E 05 C	3/04
			48	F 02 H	11/08			7/00			19/02	242	E 05 C	3/14
			49	H 02 P	9/04			9/00	72	E 05 C	19/04	243	E 05 B	39/02
			50	H 02 K	23/60	22,23	E 05 C	7/00	73	E 05 C	19/02	244,245	E 05 B	15/00
1	H 02 P	9/04		B 60 L	11/12			9/00	74,75	E 05 C	19/02			15/10
2	B 60 L	1/02		H 02 P	9/04	24	E 05 C	7/00	76,77	E 05 C	19/06			17/00
	F 01 K	15/00	51	F 02 N	11/04			9/00	78,79	E 05 C	19/02	246	E 05 C	19/10
		17/02		H 02 P	9/04			19/10	80-87	E 05 C	19/06	247	E 05 C	5/00
	F 02 C	6/00	52	F 01 D	15/10	25	E 05 C	9/10	88	E 05 B	17/20			19/14
		6/18		F 02 C	6/00			9/10			39/02	248-250	E 05 C	19/10
3	F 01 B			H 02 K	7/18			19/10			63/18	251	E 05 C	5/04
	F 01 K			H 02 P	9/04	26	E 05 C	7/00			19/06	251.5	E 05 C	17/56
4	F 01 C	13/00	53	F 03 B	13/10			9/16	89-91	E 05 C	19/06			19/16
	F 01 D	15/10			13/12			19/10	92-94	E 05 B	65/10	252	E 05 C	19/00
	F 02 C	6/00		H 02 P	9/04	27-31	E 05 C	7/00	95-103	E 05 C	19/10	253	B 65 D	33/30
	F 02 D	25/00	54	F 03 B	13/00			9/00	104	E 05 B	39/02			55/06
		29/06		H 02 P	9/04			19/10			67/00	254,255	E 05 B	15/00
	H 02 P	9/04	55	F 03 D	9/00	32	E 05 C	1/00			19/10			17/00
5,6	H 02 P	9/04		H 02 P	9/04			7/00			19/10	256	B 65 D	45/00
7	F 02 D	29/06						9/00	105-108	E 05 C	19/10	256.5	E 05 B	65/00
	F 03 B	13/10				33-35	E 05 C	1/06	109-115	E 05 C	19/12	256.6-256.67	B 65 D	45/30
		15/08						1/12			19/10			45/32
	H 02 P	9/04						7/00	116-136	E 05 C	1/02	256.69	B 65 D	45/30
8	H 02 K	7/20				36	E 05 C	1/06	137	E 05 C	1/02			45/34
	H 02 P	9/04						1/12	138-144	E 05 C	1/06			45/30
9	B 60 L	11/02						1/12	145-147	E 05 C	1/04	256.71-258	B 65 D	45/30
	B 61 C	9/38	1-13	B 60 B	39/00			7/00	148	E 05 B	39/02			45/32
10,11	B 60 L	11/02		B 61 C	15/00			9/16			67/00	259,260	E 05 C	19/18
	B 61 C	9/38	14,15	B 61 H	11/00	37,38	E 05 C	1/06			1/04	261	E 05 C	19/00
	H 02 K	23/52	16-47	B 60 B	39/00			1/12	149,150	E 05 C	1/04	262	E 05 C	17/04
12,13	B 60 L	11/02		B 61 C	15/10			7/00	151	E 05 B	39/02	263	E 05 C	17/32
	B 61 C	9/38	48	B 07 B				9/10			1/04	264	E 05 C	17/36
	H 02 K	23/52				39	E 05 C	1/06	152,153	E 05 C	1/04	265-267	E 05 C	17/18
14	B 60 L	11/02						1/12	154	E 05 B	39/02	268-270	E 05 C	17/16
	B 61 C	9/38						7/00			1/08	271-278	E 05 C	17/04
15	B 60 L	11/02				40,41	E 05 C	9/12	155	E 05 C	1/06	279,280	E 05 C	19/00
	B 61 C	9/38						1/06	156	E 05 C	1/02	281	E 05 C	19/08
	H 02 K	23/60						1/12			1/08	282	E 05 B	39/02
16-19	B 60 L	11/12	1,2	E 05 C	19/00			7/00	157-161	E 05 C	1/06			19/08
	B 61 C	9/38			21/00			9/10			1/12	283	E 05 C	19/08
20	B 60 L	11/02	3	E 05 C	7/00	42	E 05 C	1/04	162	E 05 C	1/04	284	E 05 B	39/02
	H 02 K	23/60			9/00			1/10			1/10			19/08
21	B 60 L	11/02	4	E 05 C	5/02			7/00	163	E 05 C	1/08	285	E 05 C	19/08
	B 61 C	9/38			7/00			9/10	164-174	E 05 C	1/12	286,287	E 05 B	39/02
22	B 60 L	11/02			9/00	43	E 05 C	1/06	175	E 05 C	1/10			19/08
	B 61 C	9/38	5,6	E 05 C	5/00			1/12	176	E 05 C	1/12	288-298	E 05 C	19/18
	F 02 M	11/04			7/00			7/00	177-181	E 05 C	1/02	299-304	E 05 C	19/00
23-26	B 60 L	11/02			9/00			9/10	182	E 05 C	1/06	305,306	E 05 C	17/02
	B 61 C	9/38	7	E 05 C	5/00	44	E 05 C	3/00	183	E 05 C	1/02			17/38
	F 02 M	11/04			7/00			7/00			1/08	307-326	B 65 D	27/30

CONCORDANCE 1990—United States to International Patent Classification

U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 292—Con.			U.S. Class 294											
		33/34	HANDLING, HAND AND HOIST-LINE IMPLEMENTS					31/16			B 60 R			2/24
		55/06						31/18			B 62 D			2/50
		3/03						31/20	25		B 60 P			2/00
327-331	G 09 F	39/02	L1	A 47 F	13/06	86.4, 86.41	B 66 C	1/42			B 62 D	64	B 60 N	2/02
332-336	E 05 B	63/20				86.42	F 16 L	3/00	26		B 62 C	69	B 60 N	2/32
336.3	E 05 B	3/00		A 47 J	45/00	87.1-87.12	B 66 C	1/42			B 62 D	70	B 62 D	25/14
336.5	E 05 B	3/08		B 66 C	1/00	87.2	B 66 C	1/10	27		B 60 P	71	B 60 N	3/02
		3/10	1.2	A 61 F	9/00	87.22, 87.24	B 66 C	1/28	29.30		B 62 D	72-74	B 62 D	25/14
337	E 05 B	9/00	1.3-1.5	A 01 K	29/00	87.26	B 66 C	1/10				75	B 60 N	3/06
338	E 05 C	17/44	2.3	A 47 G	21/10	87.28	B 66 C	1/44	32-34		B 62 D		B 62 D	25/20
339	E 05 C	17/54	3.5	B 25 B	7/00	88-98	B 25 B	1/00	35.1		B 62 D		B 62 J	25/00
340-341.19	E 05 B	15/02	3.6	E 04 G	21/16	98.1	B 66 C	1/46				76	B 62 D	25/14
342	E 05 C	17/44	4	A 44 B	19/00	99.1	B 66 C	1/42	35.2-35.4		B 62 D	77	B 60 N	3/00
343, 344	E 05 C	17/54		A 47 G	21/00	99.2	B 25 B	7/00			B 62 D	77.1	B 60 J	1/00
345	E 05 B	65/00	5	B 25 B	7/00	100, 101	B 25 B	9/00	36		B 62 D		B 60 N	3/00
346	E 05 B	17/00	5.5	A 47 G	21/00		B 66 C	1/00	37.1		B 60 R		B 62 D	25/13
347	E 05 B	1/00	6	A 24 B	1/06		B 66 C	1/42					B 62 J	17/00
348-355	E 05 B	3/00	7.8	A 47 J	43/28	102.1-103.2	B 66 C	1/42			B 62 D			19/00
356, 357	E 05 B	15/02	8.5	A 47 J	43/28	104-109	B 25 B	1/00				79.80	B 60 J	1/00
358	E 05 B	3/00		A 41 F	31/00	110.1, 110.2	B 66 C	1/42	37.11		B 60 N	81.82	B 60 N	3/00
359	E 05 B	13/00	8.6	A 41 H	27/04	111-119	B 25 B	1/00	37.12		B 60 N	83	B 60 J	11/00
				A 47 G	1/32		B 66 C	1/42			B 60 R	84.1, 85	B 60 J	1/00
				E 04 F	21/20	119.1-119.4	A 01 D	89/00	37.13		B 60 N	86-88	B 60 J	1/06
				A 47 J	49/00	120-130	B 66 C	3/00			B 60 R	89	B 60 J	1/16
				B 65 G	7/12		B 25 B	29/00	37.14-37.16		B 60 N			1/17
			9-14		9/00	131	B 21 F	9/00			B 60 R	90	B 60 J	1/02
			15-18		13/06	132-136	B 25 B	25/00	37.2, 37.3		B 60 N		B 60 J	1/20
				A 47 F	47/02		B 65 H	77/00			B 62 D	91	B 60 J	9/04
				A 63 B	97/14	137	A 45 F	5/00			B 62 D	92	B 60 J	1/02
1-11	B 60 R	19/00		A 01 K	13/06	138	A 45 F	5/12	37.4		B 60 N		B 60 J	1/20
	B 61 F	19/00		A 47 F	5/00	139	G 03 B	17/56			B 62 B	93	B 60 J	1/02
	B 61 G	11/00		D 06 F	13/06	140	A 61 G	1/00						10/02
12, 13	B 62 D	9/02		A 47 F	7/12	141-143	A 45 F	5/00	37.5		B 60 N	95.1	B 60 J	1/20
14	B 60 R	19/00		B 65 G	45/00	144	A 47 B	31/04			B 60 R	96	B 60 J	1/00
15-33	B 60 R	19/00		A 47 J	1/00	145, 146	A 45 F	5/00			B 60 R	96.11-96.22	B 60 J	1/02
	B 61 F	19/00		A 01 B	9/00	147	A 63 C	11/02				97.1-97.2	B 60 J	3/00
	B 61 G	11/00		A 01 D	11/00	148-169	A 45 F	5/00	37.6		B 60 N	97.21	B 62 B	5/00
34-37	B 61 F	19/08	50, 50.5	A 01 D	9/06	170, 171	A 45 F	5/10			B 60 R			7/00
38, 39	B 61 F	19/06	50.6-50.9	A 01 B	1/16	172	A 47 G	23/06						9/00
	B 61 K	1/02		A 01 D	9/06									9/00
40	B 61 F	19/10			11/00							97.22	B 62 D	25/00
41	B 61 F	19/06	51	A 01 B	1/20							97.23	B 62 D	25/20
42-47	B 61 C	17/02			1/22							97.3-97.9	B 60 J	3/00
48-58	B 60 R	19/00		A 01 D	9/00				37.7		B 60 N	98	B 60 J	11/00
	B 61 F	19/00			11/00						B 60 R	99.1	B 60 J	7/00
102-106	B 60 R	19/02	52	A 01 D	11/06	1-8	B 60 B	17/00					B 62 D	25/06
		19/56	53.5	A 01 B	1/00	8.5	B 60 B	19/02					B 60 P	7/02
107	B 60 R	19/20		A 01 D	9/00	9.1-35	B 60 B	17/00			B 62 D	100, 101	B 60 P	7/02
108	B 60 R	19/18		E 01 H	5/02	36.1-42.2	B 60 B	35/00	37.8		B 60 N	102-106	B 62 D	25/06
109	B 60 R	19/22	54.5	A 01 B	1/02	43	B 60 B	37/00			B 60 R	107	B 60 J	7/00
110	B 60 R	19/18	55	A 47 F	13/08	44-50	B 60 B	37/10						1/08
111.1	B 60 R	19/48	55.5	A 01 D	9/00			37/12	37.9		B 60 N		B 60 J	10/10
112	B 60 R	19/16	56	A 01 B	1/00				38		B 62 D	108-134	B 60 J	7/00
		19/54	57, 58	A 01 B	1/22				39.1		B 60 R	135, 136	B 60 J	7/20
113	B 60 R	19/02	59, 60	B 25 G							B 62 D		B 62 D	25/06
		19/56		A 01 B	1/00				39.2, 39.3		B 62 D	138-145	B 60 J	7/00
114	B 60 R	19/48		A 01 D	9/00				40, 41		B 60 R		B 62 D	25/06
115	B 60 R	19/52	61		11/00				42		B 60 P	146	B 60 J	1/00
116, 117	B 60 R	19/48		A 01 K	81/04				43		B 60 P			5/00
118	B 60 R	19/38		B 08 B	1/00	1.1	B 60 J	9/00			B 62 D			9/00
119	B 60 R	19/40	62	F 41 B	13/10		B 62 C	1/00	50		B 60 P			10/04
120-122	B 60 R	19/03	63.1-64.3	B 65 G	7/12		B 62 D	23/00						10/08
123, 124	B 60 R	19/02	65	A 47 J	45/00	2-6	B 60 P	3/00			B 62 D		B 62 D	25/24
		19/56		A 47 B	97/00	7	B 60 P	3/00				147-151	B 60 J	1/00
125	B 60 R	19/48	65.5	B 66 C	1/02		B 62 C	1/06						5/00
126-128	B 60 R	19/42		B 66 C	1/04		B 62 D	33/08	51		B 62 D	152	B 60 J	1/20
129	B 60 R	19/24	66.1-67.5	E 21 B	31/06	8.9	B 60 P	3/00						3/00
130	B 60 R	19/02	68.1-68.3	B 61 C	3/00	10, 11	B 60 P	3/42	52, 53		B 62 D	153, 154	B 60 J	9/00
		19/56		B 65 D	51/00		B 62 C	1/06				155	B 60 J	5/06
131	B 60 R	19/24		E 04 G	21/02	12-14	B 60 P	3/04				156	B 60 P	1/00
132	B 60 R	19/26		E 21 B	27/00	15	B 60 P	3/22	55, 56		B 62 D			3/00
133	B 60 R	19/34	74-77	B 66 C	1/12	16-18	A 61 G	21/00						3/325
134	B 60 R	19/32	79, 80	A 22 C	15/00	19	A 61 G	3/00	57.1		B 62 D	157	B 60 R	15/00
135	B 60 R	19/28		B 66 C	1/34	20	A 61 G	1/02					B 60 R	15/00
136	B 60 R	19/30	81.1-81.62	B 66 C	1/00	21	B 60 R	13/00				158	B 60 P	3/363
137	B 60 R	19/28	82.1-82.24	B 66 C	1/34	22	B 60 P	3/025	58		B 62 D		B 60 R	15/00
138-141	B 60 R	19/24	82.25	B 64 D	17/38	24.1	B 60 P	3/05				159-161	B 60 R	15/00
142-144	B 60 R	19/44	82.26-82.36	B 66 C	1/34			3/20	59		B 62 D	162	B 60 P	3/37
145	B 60 R	19/46	85	B 66 D	3/00			5/00					B 60 R	15/00
146-148	B 60 R	19/36	86.1-86.34	E 21 B	31/00		B 60 R	7/00				163	B 60 R	15/00
149-155	B 60 R	19/04			31/03		B 62 D	33/04	60-62		B 62 D	164	B 60 P	3/345
					31/107	24.2	B 60 P	3/05					B 60 R	15/00
					31/12			3/20	63		B 60 N	165	B 60 P	3/33

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 296—Con.			5,6	A 47 D	13/04	273-282	A 47 D	13/10	486-488	A 47 C	22/48	69,70	E 21 C	3/00
	B 60 R	15/00		A 61 H	3/04		A 47 D	13/10		A 47 D	31/00	71-78	E 21 C	25/00
166	B 60 P	3/373	7-12	A 63 C	3/04	283	A 63 G	9/00		A 47 D	15/00	79-94	E 21 G	10/00
	B 60 R	15/00		A 47 C	13/00	284	A 47 C	27/00		B 60 R	21/00	95	E 21 C	
167	B 60 P	3/377	13	A 47 D	11/00		A 47 C	3/00	U.S. Class 298			U.S. Class 300		
	B 60 R	15/00	14,15	A 47 C	1/12	285-309	A 47 C	25/00	LAND VEHICLES, DUMPING			BRUSH, BROOM AND MOP MAKING		
168	B 60 P	3/335		B 60 N	2/32	310	B 60 N	2/02		B 60 P	1/00	1	A 46 B	15/00
	B 60 R	3/35	16-19	A 47 D	4/00	311-320	A 47 C	1/02		B 62 B	1/00	2	A 46 D	3/06
169-171	B 60 R	15/00		A 47 C	1/02		A 47 C	1/06		B 62 B	1/00	3	A 46 D	3/04
172	B 60 P	3/39	20	A 47 D	3/02		A 61 G	15/00		B 62 B	1/00	4	A 46 D	3/04
	B 60 R	15/00		A 47 C	13/10	321	B 60 N	2/00		B 62 B	1/00	5	A 46 D	1/04
173	B 60 P	3/355	21-31	A 47 D	2/02		A 47 C	1/06		B 62 B	1/00	6	A 46 D	3/16
	B 60 R	3/39	32,33	A 47 C	1/02		A 61 G	15/00		B 62 B	1/00	7	A 46 D	1/04
174,175	B 60 R	15/00	34-44	A 47 D	4/00		B 60 M	2/00		B 60 P	1/00	8	A 46 D	3/00
176	B 60 P	3/39		A 47 C	1/02		A 47 C	2/02		B 65 G	67/24	9	A 46 D	1/08
	B 60 R	15/00	45	A 47 C	4/28		B 60 M	2/02		B 60 P	3/24	10,11	B 25 B	1/20
177-180	B 60 J	1/00	46-60	A 47 D	1/02	322-349	A 47 C	1/06		B 65 G	67/32	12	A 46 D	7/00
	B 60 K	37/00	61	A 47 C	1/02		A 61 G	15/00		B 60 P	1/30	13-15	A 46 D	9/00
	B 60 N	2/00	62-67	A 47 C	13/00		B 60 N	2/00		B 65 G	67/50	16	A 46 D	9/00
	B 60 R	3/00		B 60 N	2/32		A 61 G	15/00		B 60 P	1/34	17	A 47 L	13/20
180.1-180.5	B 60 R	27/00	68-91	A 47 C	1/02		B 60 N	2/00		B 65 G	67/32	18	A 46 D	9/00
	B 60 J	1/00		A 61 G	15/00	350,351	A 47 C	1/14		B 60 P	1/30	19	A 46 D	1/04
	B 60 K	37/00	92-104	B 60 N	2/02		A 47 C	4/28		B 61 D	1/04	20	A 46 D	3/08
	B 60 N	2/00	105,106	A 47 C	13/00		A 47 C	15/00		B 65 G	67/32	21	A 46 D	3/00
	B 60 R	3/00	107	A 47 C	17/04	352	A 47 C	1/10		B 60 P	1/267			
	B 60 R	27/00	108-115	A 47 C	13/00	353	A 47 D	2/02		B 61 D	1/28			
	B 62 D	35/00		A 47 C	17/04	354	B 60 N	2/02		B 65 G	67/32			
	B 60 J	37/02	116,117	A 47 C	13/00		B 60 N	2/24		B 60 P	1/04			
181,182	B 60 K	7/00		A 47 C	17/12		A 61 G	2/30		B 61 D	9/00			
	B 60 K	37/00	118	A 47 C	13/00	355-360	B 60 N	2/02		B 65 G	67/32			
	B 60 N	2/00		B 60 N	2/32	361	B 60 N	2/02		B 60 P	1/00			
	B 60 R	3/00	119-128	A 47 B	85/04		B 60 N	2/48		B 61 D	7/00			
183	B 60 J	27/00	129,130	A 47 C	13/00	362-383	A 47 C	2/02		B 60 P	1/04			
	B 60 K	7/00	131-133	A 47 C	3/02	391-410	A 47 C	1/10		B 61 D	1/56			
	B 60 K	10/00		A 47 C	13/00		A 61 G	7/36		B 60 P	7/00			
	B 60 N	37/00		A 47 D	1/08		B 60 R	15/00			1/00			
	B 60 R	2/00	134	A 47 D	1/10		A 47 C	22/28			1/28			
	B 60 R	3/00	135-174	A 47 B	39/00	411	A 47 C	7/54			9/00			
184	B 60 J	27/00		A 47 B	83/02		B 60 N	2/46			67/32			
	B 60 K	7/00	175-179	A 47 C	9/04	412,413	A 47 C	7/54			1/00			
	B 60 K	37/00	180	A 47 C	7/72		B 60 N	3/02			7/00			
	B 60 N	2/00		A 47 C	31/00	414-417	A 47 C	7/54			1/04			
	B 60 R	3/00	181	A 63 G	9/10		B 60 N	2/44			1/56			
185	B 60 J	27/00	182	A 47 D	15/00	418	A 47 C	5/02			7/00			
	B 60 K	7/00	183	A 47 C	4/52		A 47 C	7/36			1/00			
	B 60 N	10/00		A 47 C	31/00	419-421	A 47 C	7/54			1/00			
	B 60 R	37/00	184	A 47 C	7/62		A 47 C	5/04			41/16			
	B 60 N	2/00		A 47 C	29/00	422	A 47 C	7/36			41/16			
	B 60 R	3/00	185,186	A 47 C	7/62		A 47 C	7/54			41/16			
186-209	B 60 J	27/00		A 47 C	31/00	423-425	A 47 C	1/12			7/00			
	B 60 K	7/00	187	A 47 C	16/04	426	A 47 C	7/50			37/00			
	B 60 K	37/00	188-194	A 47 C	7/62	427-437	A 47 C	7/50			41/00			
	B 60 N	2/00	195	B 60 N	2/38	438,439	A 47 C	16/04			45/00			
	B 60 R	3/00		B 62 J	1/00	440-444	A 47 C	7/50			47/02			
210-215	B 60 J	27/00	196	B 62 J	1/02	445-451	A 47 C	16/00			37/16			
	B 60 K	7/00	197	B 62 J	1/24		A 47 C	7/00			37/20			
	B 60 R	13/07	198	B 62 J	1/02		A 47 C	1/12			37/00			
	B 62 D	25/06	199,200	B 62 J	1/26		A 47 C	5/00			41/00			
216	B 60 J	25/07	201-203	B 62 J	1/00			7/00			45/00			
	B 60 K	7/043	204-207	B 62 J	1/10	452-460	A 47 C	11/00			41/00			
	B 60 N	10/12	208-213	B 62 J	1/02	461,462	A 47 C	7/02			37/00			
217	B 60 J	7/043	214	B 62 J	1/18		A 47 C	9/00			37/06			
218	B 60 J	7/11	215	B 62 J	1/02		A 47 C	25/00			37/02			
219	B 60 J	7/00	216	B 60 N	2/42	463	A 47 C	15/00			15/02			
220	B 60 J	7/047		B 60 R	21/00		A 47 C	31/00						
221	B 60 J	7/05	217	A 47 C	7/62		B 60 N	2/44			35/24			
222	B 60 J	7/053		A 47 C	31/00	464	A 47 C	21/00			29/00			
223	B 60 J	7/057	218,219	A 47 C	27/00		A 47 D	15/00			9/08			
224	B 60 J	7/185		A 47 C	31/00		B 60 R	21/00			23/00			
900,901	B 62 D	29/00	220-222	A 61 G	15/00	465-485	A 47 C	31/00			27/32			
			223-229	A 47 C	27/00		A 47 C	15/00			27/00			
				A 47 C	31/00		A 62 B	35/00			47/00			
			230,231	A 47 C	7/02		B 60 R	21/00						
U.S. Class 297			232-238	A 47 C	15/00			22/04			35/20			
CHAIRS AND SEATS			239	A 47 C	3/04			22/12			43-46			
1-3	A 47 C	13/00	240-249	A 47 C	15/00			22/16			47-54			
	A 47 D	1/04	250-256	A 47 C	1/08			22/18			55-62			
4	A 47 C	1/00		A 47 D	1/10			22/34			E 21 D			
		9/00	257	A 47 C	15/00			22/36			E 21 C			
			258-272	A 47 C	3/02			22/46			E 21 C			

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 301—Con.			48	B 60 T	11/00			13/70		H 02 G	3/00			7/34
			49	B 60 T	11/10	118	B 60 T	8/00	10.7	H 02 H	7/18			7/36
104	B 60 B	1/00	50	B 60 T	15/04			8/38	10.8	B 60 L	1/14	51-53	H 02 J	1/10
		5/00	51	B 60 T	15/16			13/68	11	H 02 J	1/00			3/38
		9/26			17/20			13/70			3/00			7/34
105-110	B 60 B	27/00	52	B 60 T	15/06			15/08	12	H 02 J	1/08	54	H 02 J	1/00
111-122	B 60 B	27/02	53	B 60 T	13/00			15/12			3/00			3/00
		27/06	54	B 60 T	15/12			15/18	13	H 02 J	3/00			7/00
		37/00	55	B 60 T	15/08	119	B 60 T	8/00	14	H 02 J	3/26	55,56	H 02 J	1/12
123	B 60 B	19/00	56	B 60 T				8/36	15,16	H 02 J	1/00			3/00
		25/22	57	B 60 T	15/20			13/68			3/00			7/34
124-136	B 60 B	35/00			15/24			15/02	17	H 02 J	3/00	57-59	H 02 J	1/10
		37/00			15/34				18	H 02 J	1/10			3/00
			58	B 60 T	15/56						3/38	60	H 02 J	1/04
			59	B 60 T	13/18						7/34			3/10
			60	B 60 T	11/34				19	H 02 J	1/10			7/34
					15/36						3/06	61	H 02 J	1/00
U.S. Class 303			61	B 60 T	15/58	U.S. Class 305					3/38			3/00
FLUID-PRESSURE BRAKE AND ANALOGOUS SYSTEMS			62	B 60 T	15/00	WHEEL SUBSTITUTES FOR LAND VEHICLES					7/34			7/00
			63	B 60 T	7/12	1-3	B 62 D	57/02	20	H 02 J	1/10	62	H 02 J	1/10
1	B 60 T	17/00			13/00	4,5	B 60 B	15/18			3/06			3/38
2,3	B 60 T	13/74	64	B 60 T	15/38			57/02			3/46			7/34
4	B 60 T	13/46	65	B 60 T	15/56	6,7	B 62 D	55/00	21	H 02 J	1/12	63	H 02 J	1/00
		13/64	66	B 60 T	17/06			55/084			3/02			3/00
5-9,66	B 60 T	13/00	67	B 60 T	11/28	8	B 61 F	11/00			3/38			7/00
9,67,9,68	B 60 T	8/32			15/00	9,10	B 62 D	55/00	22	H 02 J	3/02	64-67	H 02 J	7/00
		13/00	68	B 60 T	15/02	11-13	B 60 S	1/62	23	H 02 J	1/10			9/00
9,69	B 60 T	8/18	69	B 60 T	15/32			25/16			3/38	68	H 01 F	1/00
		13/00	70	B 60 T	15/50			55/088			9/00			3/00
9,71-9,76	B 60 T	13/00	71	B 60 T	13/22	14	B 60 B		24	H 02 J	1/10			1/16
10	B 60 T	13/16	72	B 60 T	15/46			55/00			3/46			3/30
11	B 60 T	13/18	73	B 60 T	15/18			55/092	25	H 02 J	1/12			9/00
12	B 60 T	13/46	74	B 60 T	15/54	15	B 60 B	19/02			3/02	69-87	H 02 J	1/00
13	B 60 T	15/16	75	B 60 T	15/54			55/04			3/04			3/00
		17/02			17/16	16-18	B 62 D	55/10			3/38	89	H 04 B	3/28
14	B 60 T	11/20	76	B 60 T	15/06	19	B 62 D	55/07	26	H 02 J	3/02			3/30
15	B 60 T	7/00	77	B 60 T	11/32	20-32	B 62 D	55/14			3/04			3/32
		13/70			15/18	33	B 62 D	55/00			3/38			15/00
		15/14			15/54	34	B 60 B	19/06	27	H 02 J	3/02			9/00
16	B 60 T	7/12	78	B 60 T	13/14			5/00			3/34	90	H 05 K	3/28
17	B 60 T	13/68			13/26			55/00	28	H 02 J	1/10			3/30
18	B 60 T	7/16	79	B 60 T	15/00			55/247			3/00			3/32
		7/18	80	B 60 T	15/50	35-38	B 62 D	55/205	29	H 02 J	1/10			15/00
19	B 60 T	7/14	81	B 60 T	11/32	39-59	B 62 D	55/08			3/00			
20	B 60 T	13/66			15/00			55/21			1/10	91	H 05 K	3/28
		13/68			17/04			55/215			1/00			3/30
		13/70	82	B 60 T	17/04			55/253			3/00			15/00
		13/72	83	B 60 T	15/54			55/27	30	H 02 J	1/00			9/00
22,1-22,8	B 60 T	8/18	84,1,84,2	B 60 T	15/46			55/275	31,32	H 02 J	1/00			59/40
24,1	B 60 T	8/32	85	B 60 T	11/34	60	B 60 B	19/00			3/00	95	H 05 K	7/28
25	B 60 T	13/62	86	B 60 T	11/26			55/00			3/00			31/34
26	B 60 T	17/04	87	B 60 T	17/04			57/00			1/00	96,97	H 01 H	47/02
27	B 60 T	15/18			17/08	900	B 62 D	55/20	33	H 02 J	1/04			7/22
		17/18	89	B 60 R	25/08						3/00			1/10
28	B 60 T	8/00	90	B 60 T	17/16						3/10	98	H 02 J	47/02
		10/00	91	B 60 T	15/00				34,35	H 02 J	1/00			51/34
29,30	B 60 T	15/18	92	B 60 T	8/88						1/04	99	G 05 F	1/10
31	B 60 T	17/04	93	B 60 T	8/86						3/00			47/02
32	B 60 T	13/52	94	B 60 T	8/72						3/14			51/34
33,34	B 60 T	15/20	95	B 60 T	8/78	1	H 02 J	1/00	36	H 02 J	1/00			7/18
35	B 60 T	11/34	96	B 60 T	8/82			3/54			3/00			9/18
		8/00	97	B 60 T	8/74			3/02	37-41	H 02 J	1/00	100	H 01 H	79/00
		15/12			8/80	2	H 02 J	3/54			3/14			13/00
36	B 60 T	15/52	98	B 60 T	8/76			3/54			1/10	101	H 01 F	27/42
37	B 60 T	15/30	99	B 60 T	8/84	3	H 02 J	3/02	42,43	H 02 J	1/10			9/12
		15/44	100-102	B 60 T	8/58			3/34	44	H 02 J	3/38	102	H 02 J	3/24
38	B 60 T	15/42	103,104	B 60 T	8/60			3/54			7/34	103	H 02 J	1/00
39	B 60 T	11/26	105,106	B 60 T	8/70	4-8	H 02 J	3/00	45	H 02 J	1/12			3/12
		13/14	107	B 60 T	8/62			3/54			3/30	104	H 01 F	27/42
40	B 60 T	15/02	108	B 60 T	8/66			1/00			3/34			35/00
41	B 60 T	11/28	109	B 60 T	8/68	9,1,10,1	B 60 L	3/00			3/38			37/00
42	B 60 T	13/40	110,111	B 60 T	8/64			5/00			5/00	105	H 02 J	1/02
		13/52	112	B 60 T	8/00			25/00			19/082			1/12
		17/18			8/52	10,2	B 60 R	47/22			19/09			1/14
43	B 60 T	17/18	113	B 60 T	8/34			25/04			19/20	106-108	H 03 K	3/00
44	B 60 T	15/18			13/68	10,3	B 60 R	17/00	46	H 02 J	1/12			3/64
45	B 60 T	15/36			13/70			27/00			3/32	109	H 02 M	3/06
46	B 60 T	13/10			15/52			25/04			3/34	110	H 02 M	3/18
		13/12	114	B 60 T	8/44	10,4	B 60 R	13/00	47	H 02 J	1/16			1/04
		13/14	115	B 60 T	8/42			27/00			3/30	111	H 02 H	
		13/16	116	B 60 T	8/40			25/04			3/38	112	H 01 H	
		13/18			13/70	10,5	B 60 R	47/00	48,49	H 02 J	3/32			1/24
		13/20	117	B 60 T	8/00			22/00			7/34	113,114	H 01 H	19/64
47	B 60 T	15/46			8/48	10,6	B 60 R	9/00	50	H 02 J	3/32			31/10
	B 61 H	13/00			13/68									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 307—Con.			137,138	H 01 H	1/50									
		33/52			1/60	272.2	H 03 K	3/295	351	H 03 K	5/153	476	H 03 K	19/195
		33/59			9/30	272.3	G 11 C	11/00	352,353	H 03 K	5/159	477	H 03 K	19/091
		47/00	139	H 01 H	33/00		H 03 K	3/01	354	H 03 K	5/153	478	H 03 K	19/094
		85/46			273,274		H 03 K	3/284	355	H 03 K	5/22	479	H 03 K	19/00
		1/24			275,276		H 03 K	3/30	356	H 03 K	5/153	480	H 03 K	19/10
	H 02 B	19/14			277		H 03 K	3/00			5/22		H 03 K	19/00
115	H 01 H	31/10			278		H 03 K	3/00	357	H 03 K	5/22		H 03 K	19/00
		33/59	140	H 01 H	279		H 03 K	3/26	358-364	H 03 K	5/153		H 03 K	19/02
		47/00			280,281		H 03 K	3/33		G 11 C	13/02		H 03 K	19/096
		85/46			282		H 03 K	3/30		H 03 K	19/162		H 03 K	19/082
	H 02 B	1/24			283		H 03 K	3/335		H 03 K	17/56		H 03 K	19/094
116	H 01 H	35/00			284		H 03 K	3/35		G 11 C	11/20	482.1	H 01 L	25/00
		83/00			285		H 03 K	3/26		G 11 C	13/02	490	G 06 G	7/12
	H 02 B	1/24	141	H 01 H	7/00		H 03 K	3/00	407-411	H 03 K	17/80			7/18
117	H 01 H	35/00			43/00		H 03 K	3/315		H 01 F	27/42			7/26
		35/14	141.4,141.8	H 01 H	3/34	287	H 03 K	3/313		H 03 K	17/82	491	G 06 G	7/10
		37/00			33/59			3/35	414-418	G 11 C	13/02			7/12
		47/24			3/00	288	H 03 K	3/26	419-421	H 02 M	5/10		H 03 F	1/30
		47/26	142	H 01 H	3/26	289-292	H 03 K	3/29	422,423	G 11 C	13/02	492	G 06 F	7/556
	H 02 B	1/24	143	H 01 H	3/28	296.1-296.3	H 03 K	3/01	424	H 03 F	7/00		G 06 G	7/24
118	H 01 H	35/18			33/36	296.4,296.5	G 11 C	11/00	425-430	H 03 F	7/00	493	G 06 G	7/12
		35/24			33/38		H 03 K	5/00		H 03 K	19/00			7/163
		35/42			47/00	296.6-296.8	H 03 K	3/01			19/02		H 03 G	3/00
		45/00			61/00	298	H 03 K	17/84			19/20	494,495	G 06 G	7/12
	H 02 B	1/24	144	H 01 H	3/24	299.1-299.3	H 03 K	19/168	441	G 06 F	11/16		H 03 K	3/45
119	H 01 H	35/00			33/30			3/26		H 03 K	19/003		H 03 F	5/22
	H 02 B	1/24			35/24			17/60			19/007	496	G 06 G	7/12
120	H 01 H	35/00	145	H 01 R	39/00			19/08	442	H 03 K	19/007		H 03 F	3/18
		35/06		H 02 G	11/00			23/40	443	H 03 K	17/16			3/45
		35/10	146	H 02 J				23/50			19/003		H 03 K	5/22
	H 02 B	1/24	147	H 01 B	7/30			23/58	444	H 01 L	29/78	497	G 06 G	7/12
121	H 01 H	35/00			11/02	300	H 03 K	3/33		H 03 K	19/08		H 03 F	3/16
		35/14			1/20			17/60	445	H 03 K	19/20			3/45
	H 02 B	1/24		H 02 B				19/08	446	H 03 K	19/02		H 03 K	5/22
122	H 01 H	1/24	148	H 02 G		301-303	H 03 K	3/26			19/08	498	G 06 G	7/12
		35/00	149	H 02 J				3/335			19/084		H 03 K	5/22
		35/06	150	H 02 J	7/00	303.1,303.2	H 01 L	25/00	447	H 03 K	19/04	499	G 06 G	12/00
		35/12			9/00	304	H 03 K	3/353			19/06		H 03 F	7/12
	H 02 B	1/24	151	H 02 M		305	H 03 K	3/35	448	H 03 K	19/017			3/00
123	H 02 B	1/24	152	H 02 J				17/72			19/094		H 03 F	5/00
124	H 01 H	35/00	153	H 02 J		306,307	H 03 K	3/38			19/20	500	G 06 G	7/12
	H 02 B	1/24		H 02 P	9/00	308	H 03 K		449-451	H 03 K	19/094		H 03 F	3/18
125	H 01 H	47/00		H 02 J	9/02	309	H 03 K	17/90			19/20	501	G 06 G	7/12
		83/00	154-156	H 02 J				19/18	452,453	H 03 K	19/096		H 03 F	3/16
	H 02 B	1/24	200.1	H 01 L		310	H 01 L	31/00			19/096	502	G 06 G	7/12
	H 02 H			H 03 K			H 03 K	3/26	454	H 03 K	19/013		H 03 F	3/12
126	H 01 H	35/00	201	H 03 K	19/08	311	H 03 K	3/42	455	H 03 K	19/086	503	G 06 G	7/12
		47/00			19/12			19/14			19/20		H 03 F	3/10
		83/18			19/20	313	H 03 K	3/26	456	H 03 K	19/088		H 03 K	17/74
	H 02 B	1/24	202.1	H 01 H	37/76			17/56			19/20	510	G 05 F	5/00
	H 02 H	3/02		H 02 H	7/20	314	H 03 K	19/08	457,458	H 03 K	19/084		H 03 K	5/26
		3/42	219	H 01 J	19/82			3/45			19/12		H 03 L	7/00
127,128	H 02 B	1/24	219.1	H 03 B	19/00			3/49			19/20	511	G 05 F	5/00
129	H 01 H	35/00	227	H 03 K	4/02			3/51	459	H 03 K	19/091		H 03 L	7/00
		47/20	228	H 03 K	4/08			19/16			19/20	512	G 01 R	11/20
		83/00			4/84	315,316	H 03 K	3/26	460	H 03 K	19/12		H 03 L	7/00
	H 02 B	1/24	231-236	H 03 K	5/22			17/56			19/20	513	H 03 K	5/13
	H 02 H	3/00	239-244	H 03 K	17/56			19/08	461	H 03 K	19/10		H 03 L	7/00
130	H 01 H	35/00	245	H 03 K	17/92	317.1,317.2	H 03 K	3/313	462	H 03 K	19/195	514-516	G 01 R	25/00
		47/00	246,247.1	H 03 K	17/56			3/33			19/20		H 03 K	5/26
		83/10	248-255	H 03 K	17/60			17/58			19/20	517	G 01 R	19/12
		83/12	256,257	H 03 K	17/74			17/74	463	G 11 C	8/00			29/02
		83/14	258	H 03 K	17/58			19/08		H 03 K	19/082		H 03 K	5/19
	H 02 B	1/24			17/70			19/12			19/094	518	G 01 R	19/145
	H 02 H	3/14	259	H 03 K	17/74			23/80	464	H 03 K	19/23			23/00
		3/20	260	H 03 K	4/00	318	H 03 K	3/26	465	G 06 F	7/38	519	G 01 R	23/06
		3/24			5/01			19/08		H 03 K	19/173		H 03 K	5/19
		3/26			6/00	319	H 03 K	3/33	465.1	H 01 L	25/00	520,521	H 03 B	1/00
131	H 01 H	35/00	261,262	H 03 K	5/00			17/74	466	G 06 F	7/38		H 03 K	5/00
		47/00	263	H 03 K	5/12			19/08		H 03 K	19/082		H 04 B	1/10
		83/02			6/04			19/12			19/173	522-524	H 03 D	3/00
		83/06	264	H 03 L	5/00	320,321	H 03 K	3/26	467	G 06 F	7/38		H 03 K	9/06
		83/08	265-267	H 03 K	3/017			17/58		H 03 K	19/086	525-528	H 03 D	13/00
		83/14			5/04			19/08			19/173		H 03 K	9/06
	H 02 B	1/24	268	H 03 K	5/01	322-325	H 03 K	4/787	468,469	G 06 F	7/38		H 03 L	7/00
	H 02 H	3/08			12/00	326	H 02 H			H 03 K	19/094	529	G 06 G	7/00
		3/12	269	H 03 K	5/13	327	H 02 H	1/04			19/173		H 03 B	19/00
		3/16		H 03 L	7/00			3/22	470	H 03 K	19/02	530	G 01 R	19/00
		3/18	270	H 03 K	3/01			1/02			19/20		G 11 C	7/00
		3/26			3/26			15/02	471,472	G 06 F	7/50		H 03 F	3/45
132	H 01 H	47/00	271	H 03 L	7/00	328	H 02 H			H 03 K	19/21	540	H 01 P	1/22
134	H 01 H	51/34	272.1	H 03 K	3/284	350	H 03 K	5/153	473,474	H 03 K	19/00		H 03 F	1/26
135	H 01 H	9/30			3/286			5/159			19/02		H 03 K	5/08
					3/29			5/22	475	H 03 K	19/0175		H 03 L	5/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 307—Con.						128	H 02 K	13/00	188,189	H 02 K	1/00			19/00
			38	H 02 K	33/00			47/08			3/00			21/00
	H 04 B	1/64			35/00			47/16			19/26			23/26
541	G 05 F	3/00	39	H 02 K	33/10			47/28			21/00			27/02
	H 03 K	5/08			33/14	129,130	H 02 K	13/00			23/02	209	H 02 K	1/06
542	H 03 B	1/04	40	H 02 K	7/00			47/08	190	H 02 K	1/00			17/00
	H 03 K	5/00	40.5	H 02 K	7/10	131-142	H 02 K	13/04			3/00			19/00
	H 04 B	1/10	41	H 02 K	15/00			23/50			19/26			21/00
542.1	H 03 B	1/04	42	H 02 K	1/04			27/16			21/00			23/44
	H 03 K	5/00	43	H 02 K	15/12	143-147	H 02 K	27/24	191-194	H 02 K	1/00	210	H 02 K	3/04
	H 04 B	1/10	44.45	H 02 K	7/14	148-151	H 02 K	13/02			3/00			17/17
		15/00	46	H 02 K	37/00	152	H 02 K	13/00			19/26			17/22
543-551	H 03 B	1/04	47	H 02 K	37/00			21/00			21/00			19/14
	H 03 K	5/00	48	H 02 K	37/24	153	H 02 K	23/04			23/40			21/00
	H 04 B	1/10	49	H 02 K	37/00	154	H 02 K	21/22	195	H 02 K	1/00			23/20
		15/00	50	H 02 K	7/14			21/38			3/00			27/06
552-554	H 03 K	5/08	51	H 02 K	5/24	155	H 02 K	23/04			17/00	211	H 02 K	17/16
	H 03 L	5/00	52,53	H 02 K	9/00	156	H 02 K	21/38			19/00			17/22
555,556	H 03 B	19/00	54	H 02 K	9/00	157	H 02 K	21/12			21/00			17/42
	H 03 K	3/01	55	H 02 K	9/00	158	H 02 K	23/64			23/26			19/14
		3/04	56	H 02 K	9/26	159	H 02 K	17/00	196	H 02 K	27/02	212	H 02 K	17/18
557-561	H 03 K	5/08	57	H 02 K	9/08			19/00			1/00			17/20
	H 04 B	3/00	58,59	H 02 K	9/00			3/40			3/40	213	H 02 K	3/14
562-568	H 03 K	5/08	60	H 02 K	9/06			17/00			19/00			3/20
570	H 03 K	17/60			1/32			27/00			21/00	214	H 02 K	3/48
571-585	H 03 K	17/687	61	H 02 K	9/00			33/04			23/26	215	H 02 K	3/34
590-608	H 03 K	5/13			9/06			39/00			27/02	216	H 02 K	1/00
		5/159	62,63	H 02 K	9/00	160	H 02 K	47/00			1/00	217	H 02 K	1/06
		17/28			9/06			49/00	197	H 02 K	3/00	218	H 02 K	1/18
630	H 03 K	17/292	64,65	H 02 K	1/32	161	H 02 K	47/18			17/16			1/28
		17/56			3/24			47/22			19/00	219	H 01 R	39/00
631	H 03 K	17/56			5/18	162	H 02 K	47/30			21/00			13/00
632,633	H 03 K	17/72			5/20			19/00			23/26	220-222	H 01 R	39/46
634	H 03 K	17/56			9/00	163,164	H 02 K	19/00	198,199	H 02 K	1/00			13/06
635	H 03 K	17/80			7/00			21/04			3/00			13/10
636	H 03 K	17/292	66,67	H 02 K	11/00	165	H 02 K	19/12			17/00	223	H 01 R	39/52
		17/56			11/00			19/26			19/00			1/10
637	H 03 K	17/72	68-73	H 02 K	7/02	166	H 02 K	17/00			21/00			3/16
638-645	H 03 K	17/51	74	H 02 K	7/10	167	H 02 K	17/00			23/26			3/20
647	H 03 K	17/13	75-79	H 02 K	7/06			27/02			27/02			23/22
648	H 03 K	17/51	80-84	H 02 K	7/10	168-171	H 02 K	27/10	200	H 02 K	3/00			23/24
					5/10			17/42			17/00			27/22
			85-88	H 02 K	5/12			19/20			19/00	224	H 01 R	39/04
					5/00	172	H 02 K	19/24			21/00			1/10
			89	H 02 K	5/16	173	H 02 K	17/10	201	H 02 K	3/04			3/16
			90	H 02 K	7/08	174,175	H 02 K	27/00			17/00			3/20
			90.5	H 02 K	7/09	176	H 02 K	27/04			19/00			13/14
			91	H 02 K	5/00			27/06			21/00			23/22
			92-95	H 02 K	49/00	177	H 02 K	27/10			23/26			23/24
				H 02 P	15/00			27/02			27/02			27/22
	H 02 K	23/18	96-100	H 02 K	7/10	178	H 02 K	31/00	202	H 02 K	3/04	225	H 01 R	39/04
		25/02			49/00	179	H 02 K	31/00			17/00			39/52
10	H 02 K	7/02			15/00			1/00			19/00			1/10
11	G 21 B	44/00			49/00	180-182	H 02 K	3/00			21/00			3/16
	H 02 K	41/00	101	H 02 K	15/00			1/00			23/28			3/20
12-14	H 02 K	33/00			49/00			3/00			27/02			13/14
15	H 02 K	35/00	102	H 02 K	51/00			19/26	203	H 02 K	3/04			23/22
		9/00			15/00			21/00			17/00			23/24
16	H 02 K	33/00			49/00			23/02			19/00			27/22
		35/00	103	H 02 K	49/00	183	H 02 K	1/10			21/00	226	H 01 R	39/52
17,19	H 02 K	7/00			15/00			3/16			23/26			3/16
		33/00	104	H 02 K	5/10			3/20			27/02			3/20
		35/00			49/00			19/26	204	H 02 K	3/04			13/14
20-24	H 02 K	7/06			15/00			21/00			3/38			23/22
		33/00	105-110	H 02 K	49/02			23/02			17/00			23/24
		35/00			15/00	184,185	H 02 K	1/00			19/00			27/22
25	H 02 K	33/00	111	H 02 K	39/00			3/00			21/00	227	H 02 K	9/28
		35/00	112	H 02 K	7/20			19/26			23/28			39/00
26	H 01 L	41/06			17/44			21/00			27/02	228	H 01 R	39/56
		41/12			19/38			23/02	205	H 02 K	3/04			13/00
		41/20			47/00	186	H 02 K	1/10			17/00	229	H 01 R	39/44
		2/00	113	H 02 K	47/04			3/16			19/00			13/12
27-30	H 02 K	33/00			47/14			3/20			21/00	230	H 01 R	39/44
		35/00			47/20			17/28			23/30			13/00
31-34	H 02 K	33/10	114	H 02 K	16/00			19/26			27/02			23/18
		33/14			16/02			21/00	206	H 02 K	3/04	231	H 01 R	
		35/00	115-124	H 02 K	23/60			23/20			17/00			13/00
35	H 02 K	33/14	125	H 02 K	21/10	187	H 02 K	1/00			19/00	232	H 01 R	39/08
		35/00	126	H 02 K	13/00			3/00			21/00			H 02 K
36	H 02 K	33/00	127	H 02 K	23/36			19/26			23/32	233,234	H 02 K	
		35/00			27/24			21/00	207,208	H 02 K	3/04	235	H 01 R	39/16
37	H 02 K	7/06			47/28			23/42			17/00			39/52

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation		
U.S. Class 310—Con.						205	A 47 B	45/00	293	A 47 B	97/00	37-41	H 01 K	1/58		
236	H 01 R	39/04	45,49	A 47 F	1/00	206,207	A 46 B	53/00			77/18		H 01 J	1/02		
	H 02 K	13/04			3/02		A 47 G	17/00			81/00			61/52		
237	H 01 R	39/06		B 65 D	83/04		A 47 B	29/08			97/00		H 01 K	1/58		
	H 02 K	13/04		B 65 G	1/16	208	A 47 B	21/00		A 47 F	3/06	42-46	H 01 J	1/02		
238,239	H 01 R	39/38			57/20	209	A 47 B	81/00	294	A 47 B				7/24		
	H 02 K	13/00			59/00		A 61 B	19/02	295	A 47 B	88/00			61/52		
240	H 01 R	39/42	50,59	A 47 F	1/00		A 61 C	19/02	296	A 47 B	95/00		H 01 K	1/58		
	H 02 K	13/00		B 65 H	1/00		B 01 L	9/02			96/00	47	H 01 J	1/02		
241	H 01 R	39/44	60,61	A 47 F	1/00	210	A 47 B	81/00	297	E 06 B	9/15			7/24		
	H 02 K	13/00		B 65 G	11/00	210.5	A 47 B		298,299	E 04 B				61/52		
242	H 01 R	39/38	71	B 65 H	1/00		A 47 J	43/22	300-303	A 47 B	88/00	48	H 01 J	5/48		
	H 02 K	13/00		A 47 F	1/00	211,212	A 47 B	81/00			95/00	49-51	H 01 J	5/48		
243	H 01 R	39/38		B 65 G	1/16		A 47 G	29/14	304	A 47 B	88/00			5/50		
		39/42	72,73		11/00		B 65 D	91/00	305	A 47 B	88/00	52	H 01 J			
		39/44		A 47 F	1/00	213	A 47 B	75/00			95/00		H 01 K			
	H 02 K	13/00		B 65 D	83/02			81/00	306	A 47 B	57/00	53	H 01 J	27/00		
244	H 01 R	39/38			83/04			97/00			88/00	54	H 01 J	7/40		
	H 02 K	13/00		B 65 G	57/20	214	A 47 B	81/00	307	A 47 B	88/00			17/32		
245-247	H 01 R	39/40	86		59/00		F 25 D	11/00			95/00			65/08		
	H 02 K	13/00		B 65 G	59/00	215	E 05 B	65/46	308-311	A 47 B	88/00	62	H 05 H			
248	H 01 R	39/18	91-97 1	C 06 F	5/00	216,217	E 05 B	9/10	312	A 47 B	51/00	93	H 01 J	47/00		
	H 02 K	13/00		A 47 F	1/00		E 05 C	53/00			57/00	103-107	H 01 J	43/00		
249	H 01 R	39/36		B 65 G	15/00	218	E 05 B	65/46			88/00	107 5	H 01 J	31/14		
	H 02 K	13/00			17/00	219	E 05 B	7/06	313-316	A 47 B	77/10	110-117	H 01 J	5/16		
251	H 01 R	39/24	100,101		19/00	220-222	E 05 C	77/08			88/00			61/40		
	H 02 K	13/00	102	A 47 B	81/00	223	A 47 B	81/00	317	A 47 B	88/00		H 01 K	1/26		
252	H 01 R	39/20		A 47 F	3/00			67/00	318,319	A 47 B	88/00			1/30		
	H 02 K	13/00	107	A 47 B	77/00	224-227	A 47 G	1/00			95/00	118	F 02 M	57/06		
253	H 01 R	39/26			87/00		G 02 B	5/08	320	A 47 B	88/00		F 02 P	13/00		
	H 02 K	13/00	107.5,108	A 47 B	87/00	228	A 47 B	77/06			95/02	119	H 01 T	13/00		
254-259	H 02 K	1/12	109,110	E 06 B	12/00		A 47 K	1/04	321	A 47 B	88/00	120	F 02 M	57/06		
260	H 02 K	3/46	111	F 16 B	3/00		A 47 L	19/02			95/00		H 01 T	13/02		
261-268	H 02 K	1/22	114,115	A 47 F	3/04	229	E 03 C	1/18	322-324	A 47 B	88/00	121	H 01 T	13/56		
269	H 02 K	1/24	116	A 47 F	3/00		A 47 B	77/06	325	A 47 B	88/00	122	H 01 T	13/24		
270	H 02 K	3/46		F 25 D	11/00		A 47 F	9/00			95/00	123,124	H 01 T	13/46		
271	H 02 K	3/48	117	A 47 F	3/00	230	A 47 B	97/04	326	A 47 B	49/00	125,126	H 01 T	13/14		
272	H 02 K	1/00	118-121	A 47 F	3/14	231,232	A 47 B	27/00			88/00			13/24		
		3/00	122-124	A 47 F	3/00			63/04	327-330	A 47 B	88/00	127	H 01 T	13/02		
273	H 02 K		125	A 47 F	3/10	233	A 47 B	41/06	331-351	A 47 B	88/00			13/14		
300	H 02 N		126,127	A 47 F	3/14			63/00			95/00	128	H 01 T	13/22		
301-305	G 21 H	1/00	128-133	A 47 F	3/06	234-234.5	A 47 B	65/00	352	A 47 B	97/00	129	H 01 T	13/48		
306,307	H 02 N	10/00	134	A 47 F	3/08		B 42 F	81/00				130-132	H 01 T	13/02		
308,309	H 02 N	1/00	135	A 47 F	3/10	235	A 47 B	21/00	U.S. Class 313					133	H 01 T	13/28
310	H 02 N	1/04	136	A 47 F	3/06	236	A 47 B	83/00	ELECTRIC LAMP AND DISCHARGE DEVICES					134	H 01 T	13/05
311-371	H 01 L	41/04	137	A 47 F	9/00		A 47 F	77/08				135	H 01 T	13/04		
		41/08	138,139	A 47 F	3/00	237	A 47 B	3/04				136-143	H 01 T	13/20		
		41/18		E 06 B	3/00	238,239	A 47 B	83/00				144,145	H 01 T	13/22		
	H 02 N	2/00	140	A 47 F	3/00			81/00						13/34		
				F 16 B	12/00			97/00	1	H 01 J				13/36		
U.S. Class 312			140.1-140.4	A 47 B	96/18	240,241	A 47 B	85/00		H 01 K		146-152	H 01 J	1/02		
SUPPORTS, CABINET STRUCTURES				A 47 F	9/00	242	A 47 B	67/02	2.1	H 01 J	31/00			1/44		
1	A 61 G	11/00	183	A 47 B	63/00	243	A 47 B	91/00	3	H 01 J				1/52		
3-6	E 04 H	1/12			97/02			95/00		H 01 K				1/88		
		1/14		B 42 F	17/00			96/00	5,6	H 01 J	13/00			21/22		
7,1,7.2	A 47 B	5/00	184	A 47 B	63/00	244	A 47 B	95/02			17/00	153-162	H 01 J	35/28		
		81/06		B 42 F	15/00	245-248	A 47 B	67/02			21/00			1/50		
8-19	A 47 B	81/06	185-187		17/00		A 47 F	5/08	7	H 01 J	7/16			3/20		
	A 47 F	1/04		A 47 B	63/00	249-251	A 47 B	91/00	8	H 01 J	61/96			3/32		
	G 11 B	33/02		B 42 F	9/00	252	A 47 B	49/00	9	H 01 J	1/20			23/10		
20	A 47 B	81/00			17/00	253-256	A 47 B	91/00	10	H 01 J	7/24			29/76		
	G 03 B	17/56		A 47 B	63/00			95/00	11	H 01 J	1/02	163-167	H 01 J	13/00		
		21/54	189	B 42 F	13/00	257-262	A 47 B	43/00			7/24	168,169	H 01 J	13/56		
21-30	A 47 B	81/00	190-192	B 42 F	17/00			47/00			61/52	170,171	H 01 J	13/34		
31-31.3	A 24 F	25/00		A 47 B	13/00	263-265	A 47 B	47/00		H 01 K	1/58	172	H 01 J	13/00		
	A 47 B	81/00	193	B 42 F	17/00	266-269	A 47 B	49/00	11.5	H 01 T	13/00	173	H 01 J	13/12		
	B 01 F	3/06			7/00			77/16	12-14	H 01 J	1/02	230	H 01 J	27/00		
33	A 47 G	33/00	194-197	A 47 B	17/00		A 47 F	3/08			7/24	231.01-231.71	H 01 J	17/26		
35,36	A 47 F	1/00			5/00	270	A 47 B	51/00			61/52			61/28		
		3/02		B 42 F	7/00	271-276	A 47 B	97/00	15	H 01 K	1/58	232	H 01 J	7/00		
	B 65 B	59/00			17/00			81/00		H 01 J	7/24	233	H 01 J	21/00		
	B 65 G	1/04	198-202	A 47 B	19/00	277	A 47 B	97/00			1/10	234	H 01 J	11/00		
		69/00			27/00	278-281	A 47 B	83/00	16		61/52			65/00		
	F 25 D				41/00			81/00	17-28	H 01 J	1/02	235	H 01 J	1/00		
	G 07 F	19/00	203	A 47 B	53/00	282	A 47 B	77/10			7/24	236	H 01 J	1/00		
	B 65 H	49/00			77/00	283	A 47 B	81/00			61/52			9/02		
37					95/00			97/00			1/58	237	H 01 J	1/00		
38-41	B 65 H	19/00			53/00	284	A 47 B	81/00		H 01 K	1/02	238	H 01 J	1/00		
42,43	A 47 F	1/00			77/00			97/00	29	H 01 J	1/02			19/00		
		3/02			83/04		A 47 G	19/26	30-34	H 01 J	7/24	239	H 01 J	1/52		
	B 65 D	83/08	204	A 47 B	95/00	285-290	A 47 B	23/00			61/52	240,241	H 01 J	1/53		
	B 65 G	1/16			97/00	291,292	A 47 B	81/00	35,36	H 01 J	7/26	242	H 01 J	1/52		
											61/52	243-268	H 01 J	1/88		
														19/42		

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 313—Con.														
269	H 01 J	1/18			1/52	567	H 01 J	11/00	21-25	H 05 B	31/02	39.55-39.63	H 01 J	25/50
		19/12			17/04			17/00	26-30	H 05 B	31/24	39.65	H 01 J	25/58
270	H 01 J	1/94			17/12			61/00	31-33	H 05 B	41/14	39.67	H 01 J	25/50
		19/48			19/38			61/28	34,35	H 05 B	31/06	39.69	H 01 J	23/22
271-273	H 01 J	1/88	351	H 01 J	1/02	568	H 01 J	1/50	36-38	H 05 B	31/48	39.71,39.73	H 01 J	25/50
		19/42	352-355	H 01 J	1/02			61/12	39-43	H 05 B	31/18	39.75	H 01 J	25/58
	H 01 K	1/18			1/14	569	H 01 K	1/50	44	H 05 B	31/06	39.77	H 01 J	25/50
274	H 01 J	1/96			1/38	570-577	H 01 J	17/20	45-50	H 05 B	31/40	40-75	H 01 J	7/44
		19/50			1/48			61/12		H 05 B	31/44			13/46
	H 01 K	1/18			13/08	578,579	H 01 K	1/50	51-66	H 05 B	31/18			17/34
275-277	H 01 J	1/90			19/06	580	H 01 K	1/26	67	H 05 B	31/22			19/78
		19/44			19/30			1/42	68-77	H 05 B	31/18			23/16
	H 01 K	1/18			1/04			1/50	78	H 05 B	31/22			29/96
278,279	H 01 J	1/94	356,357	H 01 J	1/00	581	H 01 J	17/00	79-104	H 05 B	31/18			1/62
		19/45			17/04			61/00	105-111	H 05 B	31/22	76	H 01 K	7/00
	H 01 K	1/18			19/00	582-587	H 01 J	17/49	112	H 05 B	31/18	77	B 60 Q	
281	H 01 J	1/88	358	H 01 J		588	H 01 J	17/00	113-128	H 05 B	31/22	78-80	B 60 Q	1/26
		19/42				589	H 01 J	17/48	129	H 05 B	31/02	81	B 60 Q	1/34
	H 01 K	1/18	359.1-363.1	H 05 H		590	H 01 J	17/00	130	H 05 B	31/18	82,83	B 60 Q	1/02
282-290	H 01 J	1/96			29/00			61/00	131	H 05 B	31/30	84	B 60 Q	7/00
		19/50	365-390	H 01 J	31/00	591	H 01 J	17/50			31/32	84.51,84.61	H 01 J	17/36
	H 01 K	1/18			31/26	592,593	H 01 J	17/54	132-134	H 05 B	31/18	85	H 01 J	1/52
291	H 01 J	1/88	391-401	H 01 J	31/48	594	H 01 J	17/44	136	H 05 B	1/02			5/02
		19/42	402-408	H 01 J	29/80			61/54				86	H 05 B	37/00
292	H 01 J	1/88	409-417	H 01 J	29/50	595-603	H 01 J	17/30				87-93	H 05 B	41/14
		19/42	418,419	H 01 J	31/02			17/46				94-99	H 05 B	39/10
	H 01 K	1/18	420	H 01 J	33/00	604	H 01 J	17/00				100	H 05 B	39/00
293-304	H 01 J	1/46	421-431	H 01 J	29/70			17/42						41/14
		21/10	432-439	H 01 J	29/74	605,606	H 01 J	17/00						41/36
305	H 01 J	1/20	440	H 01 J	29/70			61/00				101-103	H 05 B	39/00
		1/42	441-460	H 01 J	29/46	607	H 01 J	11/00						41/14
		13/18	461-463	H 01 J	29/10			61/06				104	H 05 B	39/04
	H 01 K	11/00	464	H 01 J	29/16	608	H 01 J	11/00						41/36
306-308	H 01 J	1/46	465-476	H 01 J	29/12			65/00				105	H 05 B	39/00
		21/10	477-482	H 01 J	29/10			17/00						41/14
309	H 01 J	1/02	483-512	H 01 J	31/00	609-616	H 01 J	17/02				106,107	H 05 B	39/04
310	H 01 J				1/62			17/02						41/36
311	H 01 J	1/05	513	H 01 J	63/04	617	H 01 J	61/02				108-110	H 01 J	13/28
		1/14	514-521	H 01 J	17/00			17/30						17/22
		1/38	522	H 01 J	19/00	618	H 01 J	61/54				111.01-111.91	H 01 J	7/24
		1/48			21/00	619	H 01 J	17/06					H 05 B	31/26
		19/06	523,524	H 01 J	40/00			61/09				112-114	H 01 J	7/24
312	H 01 J	5/02			40/16			5.32						13/32
		19/54	525-530	H 01 J	31/50	620-622	H 01 J	5.33						17/28
313	H 01 J	1/52			40/18			61/64						19/74
		19/40	531	H 01 J	40/16	623-625	H 01 J	17/04				115,116	H 01 J	61/52
314	H 01 J	7/00	532	H 01 J	43/04			61/04						7/24
315,316	H 01 K		533	H 01 J	43/18	626	H 01 J	17/18						13/32
317	H 01 J	5/00	534,535	H 01 J	43/20			61/36						61/52
318	H 01 J	5/48	536	H 01 J	43/20	627,628	H 01 J	17/02				117,118	H 01 J	7/24
		5/50			43/26			61/02						13/32
323	H 01 J		537	H 01 J	40/00			17/04						17/28
324	H 01 J	5/02			40/16	629,630	H 01 J	61/06						19/74
		19/42	538	H 01 J	40/10			17/06						61/52
325	H 01 J	17/00	539,540	H 01 J	40/00	631-633	H 01 J	61/09				119-128	H 05 B	37/00
		21/00			40/16			17/04						41/00
326	H 01 J	1/00	541	H 01 J	40/16	634	H 01 J	61/04				129-136	H 01 J	1/60
	H 01 K	1/02	542	H 01 J	40/06			17/16						7/42
327	H 01 J	1/02	543	H 01 J	40/06	635	H 01 J	61/30						37/04
328	H 01 J	1/06			40/18			17/16				137-148	H 05 B	41/16
329	H 01 J	1/53	544	H 01 J	40/06	636	H 01 J	61/35						41/24
		29/08	545-547	H 01 J	17/22			17/16				149-159	H 05 B	37/02
		31/26			19/70	637	H 01 J	61/30						39/04
		31/58			61/24			17/20						41/36
331-335	H 01 J	5/50			1/52	638	H 01 J	61/12				160-168	H 05 B	37/00
336	H 01 J	1/16	548	H 01 K	1/54			17/20						39/00
		19/10	549	H 01 J	17/24	639-642	H 01 J	61/18				169.1-169.4	G 09 G	3/10
337-339	H 01 J	1/20			19/70			17/20				170-177	H 05 B	37/00
		19/14			61/26	643	H 01 J	61/20						39/00
340	H 01 J	1/24	550,551	H 01 J	17/26			61/16				178-183	H 05 B	35/00
		19/18			61/28									37/00
341-343	H 01 J	1/15	552	H 01 J	17/22									41/00
		19/08			19/70							184-193	H 05 B	37/00
	H 01 K	1/02			61/24									39/00
344	H 01 J	1/16	553-556	H 01 J	17/24									41/00
		19/10			19/70							194-199	G 05 F	1/00
	H 01 K	1/14			61/26									37/02
345,346	H 01 J	1/14	557	H 01 K	1/54									39/04
		19/06	558-561	H 01 J	17/24	1-6	H 05 B	41/46						41/36
	H 01 K	1/04			19/70	7,8	H 05 B	41/14				200-208	H 05 B	37/00
347	H 01 J	1/20			61/26	9	H 05 B	31/34						39/00
		19/14	562	H 01 J	17/24	10-19	H 05 B	41/14						41/14
348-350	H 01 J	1/46	563-566	H 01 J	17/26	20	H 05 B	31/26						37/02
								31/28						

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 315—Con.				H 01 J	29/70			7/74			5/46			7/32
		39/04			29/76			7/80			7/68			7/34
227-245	H 05 B	41/36	409	G 09 G	1/04	47	H 02 K	17/36			7/74	151-153	H 02 P	5/20
		37/00		H 01 J	29/70		H 02 P	1/54			7/80			5/22
		39/00	410	G 09 G	1/04			5/46	101	H 02 P	1/54			7/14
		41/14		H 01 J	29/74			7/68	102	H 02 P	1/58			7/32
246-287	H 05 B	41/16	411	H 01 J	29/70			7/74	103,104	H 02 P	1/54			7/34
		41/24			29/70			7/80	105-113	H 02 P	5/46			7/66
288-290	H 05 B	37/00				48	H 02 K	17/34			7/68	154	H 02 P	5/26
		39/00					H 02 P	1/54			7/74			7/14
		41/14						5/46			7/80			7/32
		1/00						7/74	114	H 02 K	33/00			7/34
291-311	G 05 F	37/02						7/80		H 02 P	1/00			7/66
	H 05 B	39/04				49,50	H 02 P	7/67			3/00	156-158	H 02 P	5/20
		41/36	1,2	H 02 K	7/00	51	H 02 P	1/54			5/00			5/22
		37/00		H 02 P				5/46			7/00			7/14
312-325	H 05 B	39/00	3,4	H 02 K	7/14			7/68	115	H 02 K	7/06			7/32
		41/00		H 02 P				7/74		H 02 P	1/00			7/34
326-358	H 01 J	11/04	5	H 02 K	7/14			7/80			3/00			7/66
		13/48		H 02 P	1/54	52	B 61 C	15/08			5/00	159	H 02 K	7/10
		15/04			5/46			15/12			7/00			17/32
		17/36			7/68		H 02 P	5/46	116	H 02 N				23/68
		37/00			7/74			7/68	117	H 02 N	10/00			27/30
	H 05 B	39/00	6	B 65 H	59/38			7/74	118	H 02 N	2/00			29/00
		41/00			77/00			7/80	119	H 02 K	33/00	160	H 02 K	7/10
359	H 01 K	13/00	7	H 02 P	59/38	53-65	H 02 P	1/54		H 02 P	1/00			17/32
	H 05 B	39/00		B 65 H	77/00			3/00			3/00			23/68
360,361	H 05 B	37/02		H 02 P	1/54			5/46			5/00			27/30
		39/04			5/46			7/68			7/00	161	H 02 K	7/02
		41/36			7/68			7/74	120	H 02 K	1/00	162-164	B 23 G	35/00
362	H 05 B	37/02			7/74			7/80		H 02 P	3/00			35/14
		39/06			7/14	66,67	H 02 P	5/46			5/00			19/02
		41/04	8	H 02 K	1/54			7/08			7/00			7/18
		41/18		H 02 P	5/46			7/68			33/00			7/38
363	H 05 B	37/00			7/68			7/74	121	H 02 K	41/00	244	H 02 K	27/00
		39/00			7/74			7/80			1/00			1/24
		41/00	9-13	H 02 K	7/10	68,69	H 02 P	5/46		H 02 P	3/00			3/18
364	G 09 G	1/04		H 02 P		70-75	H 02 P	5/50			5/00			5/28
	H 01 J	29/70	14	H 02 K	7/06	76	H 02 P	5/48			7/00			5/44
		29/72		H 02 P		77,78	H 02 P	5/46			33/12			7/36
365	G 06 F	3/153	15	H 02 K	7/10	79	H 02 P	5/06	122-125	H 02 K	1/00			7/50
	G 09 G	1/04		H 02 P				5/28		H 02 P	3/00			23/64
		1/22	16	H 02 P				5/46			5/00	245	H 02 K	1/24
	H 01 J	31/16		H 04 Q	7/02	80	H 02 P	5/06			7/00			3/18
366,367	G 09 G	1/04			9/00			5/46			33/00			5/28
	H 01 J	29/70	17	H 02 K	7/14	81	H 02 P	5/06	126-134	H 02 K	1/00			5/44
		29/72		H 02 P				5/28		H 02 P	3/00			7/36
368	G 09 G	1/04	34	H 02 P	1/54			5/46			5/00			7/50
	H 01 J	29/70			5/46	82,83	H 02 P	5/06			7/00	246	H 02 K	23/08
		29/76			7/68			5/28	135	H 02 K	41/00			1/18
369	G 09 G	1/04			7/74			5/46		H 02 P	1/00			3/08
	H 01 J	29/74			7/80			7/06			3/00			5/06
		29/76	35,37	H 02 K	33/00			7/36			5/00			7/06
370,371	G 09 G	1/04		H 02 P	1/54			7/68	136,137	H 02 K	7/10	247	H 02 K	23/00
	H 01 J	29/56			5/46			7/74			7/20			1/18
372-374	G 09 G	1/04			7/68			7/80			1/00			3/08
	H 03 K	17/88			7/74	84	H 02 P	5/06			1/00			5/06
375,376	G 09 G	1/04			7/80			5/28	138	H 02 K	29/00			7/12
	H 01 J	29/80	38	H 02 K	41/00			5/46		H 02 P	1/00	248	H 02 K	23/12
377	G 01 R	13/30		H 02 P	1/54			7/10			3/00			1/18
	G 09 G	1/04			5/46			7/36			5/00			3/08
378	G 09 G	1/04			7/68			7/68			7/00			5/06
	H 01 J	29/78			7/74			7/74	139	H 02 P	1/00			7/06
379-381	G 09 G	1/04			7/80			7/80			3/00	249,250	H 02 K	23/00
	H 01 J	29/52	39	B 23 Q	5/10	85	H 02 P	5/46			5/20			1/18
382,382.1	G 09 G	1/04			5/28			7/68	140	H 02 P	5/22			3/08
	H 01 J	29/58	40	H 02 K	7/12			7/74			7/14			5/06
383-386	G 09 G	1/04		H 02 P	7/68			7/80			7/32	251,252	H 02 K	23/08
	H 01 J	29/52			7/74			3/00			7/34			1/18
387-391	G 09 G	1/04	41,42	H 02 P	1/54	86-89	H 02 P	5/46			7/66			3/08
	H 01 J	29/70			5/46			7/68			5/20			5/06
		29/72			7/74			7/80	141-147	H 02 P	5/22			7/10
392	G 01 R	13/28			7/80			7/74			7/66	253	H 02 K	21/20
	G 09 G	1/04			1/54	90	H 02 P	1/54	148	H 02 P	5/20			31/00
393	G 09 G	1/04	43	H 02 P	5/46			5/46		H 02 P	5/22			1/18
	H 01 J	29/72			7/68			7/74	149		7/14			3/08
394-396	G 09 G	1/04			7/74			7/80			7/32			5/06
	H 01 J	29/70	44	H 02 P	1/54			1/58			7/34			7/06
		29/72			5/46	91	H 02 P	5/46			7/66	254	H 02 K	23/00
397	G 09 G	1/04			7/74			7/68	150	H 02 K	7/02			1/18
	H 01 J	29/70	45,46	H 02 K	17/34			5/20		H 02 P	5/22			3/08
		29/76		H 02 P	1/54			7/80			7/14			5/06
398	G 09 G	1/04			5/46	92-100	H 02 P	1/54			7/14			7/06
	H 01 J	29/54			7/68									
399-408	G 09 G	1/04												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 318—Con.				H 02 P	1/12			1/08			3/00			1/04
					3/00			1/20			5/06			3/00
					5/08			3/12			5/28			5/00
255	H 02 P	1/00			5/30			3/22			7/10			7/00
		3/00			7/00			5/06			7/36			7/20
		5/00			5/00			5/28	538	H 02 K	1/00			7/22
		7/00	463-465	G 05 B	5/00			7/06			23/44			7/54
256-300	H 02 P	1/00		H 02 H	7/08			7/22			23/48			7/56
		1/22		H 02 P	1/04			7/40			27/20	558	H 02 P	1/00
		1/40			3/00			7/56			1/16			3/00
		3/00			5/00	512,513	H 02 P	1/00			3/00			5/00
		3/20			7/00			1/08			5/00			7/00
		5/00	466-470	G 05 B	5/00			1/20			7/00	560	G 05 B	11/01
		7/00		G 05 D	3/00			3/12	539	H 02 K	1/00	561	G 05 B	13/00
362-370	H 02 K	7/10		H 02 H	7/08			3/22			23/44	562	G 05 B	11/32
		17/32		H 02 P	1/04			5/18			23/48	563	G 05 B	9/02
		23/68			3/00			5/42			23/60	564	G 05 B	9/03
		27/30			7/00			7/30			1/16	565	G 05 B	23/02
	H 02 P	3/00	471-473	G 05 B	5/00			7/64			3/00	566	G 05 B	9/02
		5/04		G 05 D	23/00			1/00			5/00	567	G 05 B	19/10
371,372	H 02 K	7/04		H 02 H	7/08	514	H 02 P	1/14			7/00	568.1	B 25 J	9/16
		7/10		H 02 P	1/04			1/20			1/22		G 05 B	19/18
		17/32			3/00			3/12	540	H 02 K	23/44	568.11	B 25 J	9/18
		23/68			7/00			3/22			23/48		G 05 B	19/19
		27/30	474-489	G 05 B	5/00			5/08			1/16	568.12	B 25 J	5/00
	H 02 P	3/00		H 02 H	7/08			5/28			3/00	568.13,568.14	B 25 J	9/22
		3/04		H 02 P	1/04			7/06			5/00		G 05 B	19/42
		5/04			3/00			7/36			7/00	568.15	G 05 B	19/403
		7/04			7/00			3/22	541	H 01 R	39/42			19/415
373,374	H 02 P	3/10	490	G 01 R	31/02	515,516	H 02 P	3/22			39/44	568.16	B 25 J	19/02
		3/20		H 02 H	3/04			5/08			13/00	568.17	B 25 J	9/10
375	H 02 P	3/12			7/08			5/10			1/16	568.18	G 05 B	19/407
		3/14		H 02 K	11/00	519,520	H 02 P	1/00			3/00	568.19	B 25 J	9/04
		3/18		H 02 P	1/00			3/00			5/00		G 05 B	19/39
376	H 02 P	3/14			3/00			5/06			5/44	568.2	G 05 B	19/417
		3/18			5/00			5/28			7/00	568.21	B 25 J	15/02
377,378	H 02 P	3/14			7/00			7/06			7/50		G 05 B	19/417
		3/18	491	H 02 P	1/00			7/36	542	H 01 R	39/42	568.22,568.23	G 05 B	19/405
		3/24			3/00	521,523	H 02 P	1/00			13/00	568.24	B 25 J	19/00
379-381	H 02 P	3/12			5/00			3/00			1/16		G 05 B	23/02
		3/22			7/00			5/06			3/00	568.25	B 25 J	19/06
382	H 02 P	3/00	492	H 01 F	13/00			5/28			5/00		G 05 B	23/02
383	H 02 P	1/00		H 02 K	23/14			7/10			5/44	569	G 05 B	19/18
		5/00			23/44			7/36			7/50	570-573	G 05 B	19/25
		7/00			23/48			7/56	543-548	H 01 H	574	G 05 B	19/23	
430,431	H 02 P	1/04		H 02 P	1/00	524	H 02 P	1/00			1/00	575-579	G 05 B	19/33
432	H 02 P	7/00			3/00			1/38			1/04	580	G 05 D	1/00
433	H 02 K	17/32			5/00			3/00			3/00	581	B 64 C	13/20
		23/68			7/00			5/06			5/00		G 05 D	1/00
		27/30	493-495	H 02 P	1/00			5/28			7/00	582	B 64 C	13/18
	H 02 P	7/00			3/00			7/10			7/20		G 05 D	3/00
		7/04			5/06			7/36			7/22	583	B 64 C	13/18
434	H 02 K	17/32			5/28			7/48			7/54		G 05 D	1/00
		23/68			7/06	525	H 02 P	1/00			7/56	584-586	B 64 C	13/18
		27/30			7/36			3/22	549	H 01 H	3/22		G 05 D	1/08
	H 02 P	7/00	496	H 02 P	1/32			5/06			1/00	587	B 64 C	13/18
436	H 02 P	7/00			3/20			5/28			1/04		G 05 D	1/00
437	H 02 K	23/16			5/06			7/10			3/00	588,589	B 63 H	25/02
		23/18			5/28			7/36			5/00		G 05 D	1/00
		23/44			7/06	526	H 02 P	1/00			7/00		G 05 B	11/18
		37/00			7/36			3/00			7/20	591	G 05 B	7/00
438	G 05 F	1/70	497-502	H 02 P	1/00			5/06			7/22	592-598	G 05 B	11/18
	H 02 P	5/28			3/00			5/28			7/54	599	G 05 B	11/28
		7/36			5/06			7/10			7/56	600-603	G 05 B	19/29
439	H 01 R	39/46			5/28			7/12			3/14	604,605	G 05 B	19/31
	H 02 K	13/00			7/06			7/36			1/00	606-608	G 05 B	1/02
	H 02 P	7/50			7/36	527-531	H 02 P	1/00			1/04	609	G 05 B	11/36
440-442	H 02 P	1/00	503	H 02 P	1/30			3/00			1/08	610	G 05 B	11/42
		3/00			1/52			5/06			3/00	611-620	G 05 B	5/01
		5/00			3/00			5/28			5/00	621,622	G 05 B	6/02
		7/00			5/06			7/10			7/00	623,624	G 05 B	5/01
443,444	H 02 P	1/04			5/34			7/36			7/20	625	G 05 B	11/32
		5/00			7/06	532	H 02 P	1/00			7/22	626,627	G 05 G	5/00
		7/00			7/44			3/00			7/54	628-631	G 05 B	11/01
445-460	G 05 B	5/00	504	H 02 P	1/00			5/00	551	H 01 H	3/22	632	G 05 D	23/275
	H 02 H	7/08			1/28			7/24			1/00	633	G 05 B	11/01
	H 02 P	1/00			3/00			7/58			1/04	634	G 05 D	23/275
		3/00			5/06	533-535	H 02 P	1/00			3/00	635	G 05 B	11/01
		7/00			5/28			1/34			5/00	636	G 05 B	21/02
461	G 05 B	5/00			7/14			3/00			7/00	637	G 06 G	3/00
	H 02 H	7/08			7/36			5/06			7/20	638-640	G 05 B	1/06
	H 02 P	1/04	505-507	H 02 P	1/00			5/28			7/22	641	G 05 D	23/00
		3/00			3/00			7/22			7/54	642	G 05 D	9/00
		5/00			5/00			7/40			7/56	643	G 05 D	1/00
462	G 05 B	5/00			7/58			7/56	552-557	H 01 H	644	G 05 D	7/00	
	H 02 H	7/08	508-511	H 02 P	1/00	536,537	H 02 P	1/00			1/00	645	G 05 D	16/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 318—Con.			723	H 02 P	1/46	757	H 02 P	3/18			1/44			17/02
646	G 05 D	15/00			1/50			5/04			5/36		H 02 P	1/26
647	G 05 F	1/00			3/18			5/28			7/58			1/42
648	B 64 C	17/02			5/34			7/04	789-792	H 02 P	1/42			3/18
649	B 64 C	17/06	724	H 02 P	1/46	758	H 02 P	1/26			1/44			5/28
650	G 05 F	1/10			1/50			1/42			7/36			7/36
651	G 05 D	13/00			3/18			3/18	793	H 02 P	1/42	832	H 02 K	7/12
652-670	G 05 B	1/06			5/28			5/28			1/44			16/04
671	G 05 B	11/01			7/36			7/36			5/30		H 02 P	1/26
672-674	G 05 B	11/14	725,726	H 02 P	1/24	759-762	H 02 P	3/18	794,795	H 02 P	1/26			1/42
675,676	G 05 B	11/01			3/18			5/28			1/44			3/18
677-679	G 05 F	1/00			5/28			7/36			5/28			5/28
680	G 05 F	1/04			7/36			5/28			7/36			7/36
681	G 05 F	1/08	727-729	H 02 P	1/24			7/36	796	H 02 P	1/26			
682	G 05 F	1/00			1/42			3/04			1/44			
683,684	G 05 B	11/12			3/18	765	H 02 P	3/18			5/42			
685	G 05 B	19/40			5/28			5/04			7/64			
686-688	G 05 B	11/00			7/36			5/28	797	H 02 P	1/26			
689	G 05 B	17/00			7/36			7/04			1/42			
690-695	G 05 B	11/12	730,731	H 02 P	1/26			7/36			5/28			
696	H 02 P	8/00			1/42			1/26			7/36			
700,701	H 02 P	1/46	732	H 02 P	1/26	766,767	H 02 P	1/42	798,799	H 02 P	5/28	1	H 02 J	
		3/18			1/42			3/18			7/36		H 02 M	
		5/28			3/18			5/28	800-803	H 02 P	5/34	2	H 01 M	10/44
		7/36			5/36			7/36			7/42			10/46
702	H 02 P	1/46	733-738	H 02 P	1/26	768,769	H 02 P	1/26	804	H 02 P	5/42		H 02 J	7/00
		3/18			1/42			3/18			7/64	3,4	H 02 J	7/00
		5/28			3/18			5/28	805,806	H 02 P	5/28	5-26	H 01 M	10/44
		7/04			5/28			7/36			7/36			10/46
		7/36			7/36			1/32	807-811	H 02 P	5/28		H 02 J	7/00
703	H 02 P	3/00			1/40	770	H 02 P	1/42			5/34	27-52	H 02 J	7/04
704	H 02 P	1/48	739-741	H 02 P	1/40			3/18			5/408			7/16
		3/18			1/42			5/28			7/36	53	H 01 M	10/44
		5/28			5/28			7/36			7/44			10/46
		7/48			7/36	771	H 02 P	1/26			7/628		H 02 J	7/06
705	H 02 P	1/46			1/40			3/18			3/18			7/24
		3/18	742	H 02 P	1/42			5/28	812,813	H 02 P	5/28	54,55	H 02 J	7/04
		5/28			3/04			7/36			7/36			7/16
		7/48			5/28	772	H 02 P	1/26	814	H 02 P	3/18	56-72	H 02 J	7/00
		1/46			7/36			1/42			5/28			
706	H 02 H	7/08			1/40			5/38			5/402			
	H 02 P	1/46	743	H 02 P	1/42			7/36			7/40			
		1/50			3/18			7/56			7/622			
		3/18			5/04	773	H 02 P	3/18			3/18			
		5/28			3/24			5/28	815	H 02 P	5/42	1	H 02 K	5/00
		7/04			5/28			7/36			7/64	2	H 02 N	
		7/36			7/36			7/48			3/18	3	H 02 K	35/00
707,708	H 02 H	7/08	744	H 02 P	1/40	774-776	H 02 P	1/42			5/28	4	H 02 K	7/02
	H 02 P	1/46			3/20			5/28	816,817	H 02 P	3/18	5	H 02 K	9/12
		1/50			5/28			7/48			7/36	6	H 02 K	9/14
709	H 02 P	1/46			7/36			1/38			1/26	7,8	H 02 J	1/00
710,711	H 02 P	1/46	745	H 02 P	1/42	777	H 02 P	1/42	818-820	H 02 P	1/42			3/00
		1/50			3/20			5/28			3/18	9	H 02 K	7/18
		3/18			5/42			7/48			5/28	10-12	H 02 P	3/00
712	H 02 P	1/46			7/64			1/26			7/36			9/06
		3/18	746	H 02 P	1/40	778	H 02 P	7/36			1/34			15/00
		7/36			3/20			1/26	821-823	H 02 P	1/42	13	H 02 P	3/00
713-715	H 02 P	1/46			5/42	779	H 02 P	5/04			3/18			9/06
		1/50			7/64			5/28			5/28			11/00
		3/18	747,748	H 02 P	3/18			7/04			7/36			15/00
		7/36			5/28			7/36	824	H 02 P	1/34	14,15	H 02 P	9/04
716-719	H 02 P	1/46			7/36			1/26			1/42	16	H 02 P	9/04
		1/50			1/42	780	H 02 P	1/28			3/18			11/00
		3/18	749,750	H 02 P	3/18	781	H 02 P	1/26			5/30	17-37	H 02 H	7/06
		5/28			7/36			1/42			7/36		H 02 P	9/00
		7/36			7/36			5/28	825-828	H 02 P	1/34			11/00
720	H 02 P	1/46			1/44			7/36			1/42	38	H 02 P	9/04
		1/50			3/18	782,783	H 02 H	5/04			3/18	39	H 02 P	11/00
		3/18			5/28			7/08			5/28	40-43	H 02 P	15/00
		5/20			7/36			1/26			7/36	44,45	H 02 P	9/00
		7/36			1/44			1/42			1/34	46	H 02 P	9/14
721	H 02 P	1/46	752	H 02 P	3/18			5/28	829	H 02 P	1/42	47	H 02 P	9/46
		1/50			5/36			7/36			3/18	48	H 02 P	9/00
		3/18			7/58	784	H 02 P	1/42			5/28	49-52	H 02 P	9/40
		5/28	753-755	H 02 P	1/42			7/40			7/40	53-57	H 02 P	9/00
		7/36			3/18			7/56	830	H 02 P	1/26	58	H 02 K	11/00
722	H 02 P	1/46			5/28			1/42			1/42	59-71	H 02 P	9/10
		1/50			7/36	785	H 02 P	1/44			3/18			9/14
		3/18			3/20			5/28			5/28	72-74	H 02 P	9/26
		5/34	756	H 02 P	1/40			7/36			7/36	75-79	H 02 P	9/10
		5/36			5/36			7/36			7/12			9/14
		7/44			7/58	786-788	H 02 P	1/42	831	H 02 K	16/02	80-85	H 02 P	9/16
		7/58												

U.S. Class 320

ELECTRICITY, BATTERY AND
CONDENSER CHARGING AND
DISCHARGING

U.S. Class 322

ELECTRICITY, SINGLE GENERATOR
SYSTEMS

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 322—Con.																	
		1/56			57		G 01 R	27/00	125	G 01 R	1/14	256-259	G 01 R	33/02			
		1/618			58,58 5		G 01 R	27/04	126-129	G 01 R		260-263	G 01 R	33/00			
		1/565			59,60		G 01 R	11/52	130,131	G 01 R	1/02	300-323	G 01 V	3/00			
85-88	H 02 P	9/20	275	G 05 F	1/569			27/26	132	G 01 R	15/10	324,325	G 01 V	3/18			
		9/10	276	G 05 F	1/571			27/26	133	G 01 R	19/14	326-329	G 01 V	3/08			
		9/14			61		G 01 R	27/26	134,135	G 01 R	11/32			3/10			
89-98	H 02 P	9/00	277,278	G 05 F	1/573		G 01 R	27/02	136-138	G 01 R	11/02	330	G 01 V	3/16			
99	H 02 K	11/00	279-290	G 05 F	1/40		G 01 R	27/14	139	G 01 R	11/02	331	G 01 V	3/08			
	H 02 P	9/00			1/44		G 01 R	27/02			11/30			3/16			
100	H 02 P	9/00			1/56		G 01 R	19/00						3/08			
					1/618		G 01 R	27/00	140,141	G 01 R	7/00	332	G 01 V	3/10			
			291,292	G 05 F	1/40		G 01 R	31/02	142	G 01 R	7/00			3/12			
					72,72 5		G 01 R	15/12			11/32	333	G 01 V	3/10			
					1/42		G 01 R	11/32	143	G 01 R	11/36			3/12			
					74		G 01 R	35/04			1/20			3/18			
					1/607			35/06	144	G 01 R	11/30	334-337	G 01 V	3/08			
			293	G 05 F	1/12		G 01 R	19/00			1/20			3/10			
					1/63		G 01 R	23/00	145-147	G 01 R	1/06			3/12			
					1/656			23/16	149	G 01 R	5/20	338	G 01 V	3/08			
201-204	G 05 F	1/00	294	G 05 F	1/12		G 01 R	23/02	150	G 01 R	1/16			3/10			
		3/00			1/635			23/14	151,152	G 01 R	1/20			3/18			
	H 02 J	1/00	295	G 05 F	1/12		G 01 R	23/00	153	G 01 R	11/16			3/10			
		1/16			1/644		G 01 R	23/08			1/00	339-343	G 01 V	3/18			
		3/00	295	G 05 F	1/12		G 01 R	23/00	154,155	G 01 R	1/04			3/10			
		3/30			1/63			23/12	156	G 01 R	3/42	344	G 01 V	3/12			
205	G 05 F	1/70			1/656		G 01 R	25/00	157,158	G 01 P	3/56	345	G 01 V	3/08			
		3/00	297	G 05 F	1/12		G 01 R	13/00	160	G 01 P	3/42			3/00			
		5/00			1/648			25/02	161	G 01 P	15/00	346	G 01 V	3/08			
206	G 05 F	1/70	298	G 05 F	1/63		G 01 R	25/00	162	G 01 P	3/46			3/18			
		3/00			1/656			25/06	163,164	G 01 P	3/52	347	G 01 V	3/00			
		5/06			1/12		G 01 R	27/22			13/00			3/02			
207-211	G 05 F	1/70	299-303	H 05 F	3/04		G 01 R	23/04	165	G 01 P	3/48	348-350	G 01 V	3/08			
		3/00	304	H 05 F	3/06		G 01 R	25/02	166-174	G 01 P	3/54			3/00			
		5/00			3/08			31/00			3/42	351-353	G 01 V	3/08			
212-219	G 05 F	1/00	305	G 05 F	3/06		G 01 R	13/38	175	G 01 P	3/46			3/18			
		1/70			3/08			17/02	176	G 01 P	3/80	354	G 01 V	3/02			
		3/00	306-310	G 05 F	3/16		G 01 R	17/06	177	G 01 P	3/00			3/04			
		5/00	311,312	G 05 F	3/20		G 01 R	13/40	178-180	G 01 P	3/06	355,356	G 01 V	3/02			
					24/02			17/02			3/06			3/04			
220-222	H 02 J	3/08	313-317	G 05 F	1/00		G 01 R	17/06	200	G 01 R	27/76			3/06			
	G 05 F	1/10			3/12		G 01 R	17/10	201	G 01 R	33/16			3/04			
		1/652	318-354	G 05 B	21/00		G 01 R	19/00	202	G 01 R	35/00			3/18			
		1/656		G 05 F	27/42			27/28	203	G 01 R	33/00			3/02			
223-225	G 05 F	1/613		H 02 J	40/14		G 01 R	19/04	204,205	G 01 R	27/74	357	G 01 V	3/04			
		3/16			40/06			19/165	206	G 01 B	7/04	358	G 01 V	3/06			
226	G 05 F	1/613	355	H 01 F	40/04		G 01 R	19/30	207,208	G 01 B	7/14	359	G 01 V	3/02			
		1/618			36/00			5/22	209	G 01 B	7/24			3/04			
227	G 05 F	1/607		H 01 F	33/00			11/63		G 01 R	33/18	360-362	G 01 V	3/06			
228	G 05 F	3/00		H 01 F	40/10			19/04	210-212	G 01 R	33/12	363	G 01 V	3/02			
229-231	G 05 F	1/613		H 01 F	27/24			19/165	213	G 01 R	33/10			3/06			
		1/618		H 01 F	17/00			19/30		G 01 R	33/12			3/06			
		3/00	356	H 01 F	1/00		G 01 R	5/22	214,215	G 01 R	27/84	364	G 01 V	3/02			
232,233	G 05 F	1/652		H 03 H	2/00			19/32	216	G 01 R	27/84	365	G 01 V	3/04			
		1/656			7/00			21/02		G 01 R	33/12			3/06			
		3/00	357,358	H 01 F	5/10		G 01 R	21/14	217,218	G 01 R	27/82	366-372	G 01 V	3/02			
234	G 05 F	1/10	359	H 01 F	1/00			19/32	219-221	G 01 R	27/72			3/04			
	H 02 J	3/12		H 01 F	2/00			21/02			33/12	373-375	G 01 V	3/06			
235,236	G 05 F	1/10	360	H 01 F	7/00		G 01 R	21/14	222,223	G 01 R	33/14			3/18			
		1/40	361	H 01 F	1/00			29/16	224-227	G 01 R	27/72	376	G 01 V	3/00			
		3/12			5/10			19/00	228	G 01 R	27/72			3/02			
237-246	H 02 J	1/10	362	H 01 F	7/00			29/22		G 01 R	33/12			3/04			
	G 05 F	1/40	363	H 01 F	1/00		G 01 R	13/04	229-231	G 01 B	7/10			3/06			
			364,365	H 03 H	5/00			1/00	232-236	G 01 R	33/12	377	G 01 V	3/08			
		1/455			7/00			29/00		G 01 R	27/72			3/10			
		3/12			11/57			15/08	237,238	G 01 R	33/12	378-402	F 02 P	17/00			
247	G 05 F	1/12	366	H 03 H	1/00		G 01 R	15/10	239	G 01 R	27/82	403-414	G 01 R	31/00			
		1/46	367,368	H 03 H	2/00			33/00	240,241	G 01 R	27/82	415-424	G 01 R	31/32			
248	G 05 F	1/13			7/00			19/22	242	G 01 R	33/12			27/42			
249	G 05 F	1/12			19/22		G 01 R	19/18			33/12	425	G 01 N	27/416			
250	G 05 F	1/325			19/22			13/20	244-250	G 01 R	33/02	439	G 01 N	27/02			
251	G 05 F	1/33	369	H 03 H	1/00		G 01 R	31/00	251	G 01 R	33/06	440	G 01 N	27/34			
252	G 05 F	1/12			5/00			1/30	252	G 01 R	33/02	441-449	G 01 N	27/02			
253	G 05 F	1/335			7/00				253-255	G 01 R	33/04	450	G 01 N	27/28			
254	G 05 F	1/34			11/57												
255	G 05 F	1/14			31/06												
256	G 05 F	1/147	370	H 03 H	29/22												
257	G 05 F	1/153															
258	G 05 F	1/16															
259	G 05 F	1/24															
260	G 05 F	1/247	371	H 05 F													
261	G 05 F	1/24															
262	G 05 F	1/253															
263	G 05 F	1/26															
264	G 05 F	1/12															
265,266	G 05 F	1/40															
		1/44															
		1/56															
		1/618															
267	G 05 F	1/577	55	G 01 R	31/02		G 01 R	121									
268-274	G 05 F	1/40			31/06		G 01 R	122									
		1/44	56	G 01 R	29/22		G 01 R	123,124									

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC					
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation			
U.S. Class 324—Con.												U.S. Class 329														
												DEMODULATORS AND DETECTORS														
451	G 01 N	25/00	22-24	H 03 K	5/00	160,161	G 06 G	7/16							5.5	H 03 F	3/04									
452-456	G 01 N	27/60	25	H 03 K	5/00	162-167	H 03 B	1/00							6	H 03 F	3/04									
457,458	G 01 R	29/12	26	H 03 D	19/00			1/04							7	H 03 F	15/00									
459	G 01 N	27/62	27	H 03 K	5/00		H 03 K	5/00							8	H 03 F	21/00									
460	G 01 L	21/30		H 03 B	28/00	168-175	H 04 B	1/10	1.2	H 03 D	5/00							9	H 03 F	9/00						
461	G 01 L	21/36	28-36	H 03 K	5/08		H 03 K	5/08	50	H 03 D	3/18							10	H 03 F	1/02						
462	G 01 L	21/32	38.1	H 03 K	5/13		H 03 L	5/00	100	H 03 D	1/00							11	H 03 F	3/38						
463	G 01 L	21/34	53.54	H 03 K	5/08	176	H 03 K	3/00	101,102	H 03 D	1/18	11.41	H 03 F	21/00												
464-468	G 01 N	27/62	55,56	H 03 K	5/159	177-180	H 03 K	3/53	103	H 03 D	3/00	42	H 03 F	1/00												
469	G 01 N	27/64	57	H 03 K	5/00	181-185	H 03 K	4/10	104,105	H 03 K	9/00	43	H 03 F	3/58												
		27/66	58	H 03 K	5/04			4/86	106	H 03 K	9/08	44	H 03 F	3/54												
		27/62	59-62	H 03 K	3/01	186-188	H 03 K	3/02	107,108	H 03 K	9/04	45	H 03 F	3/56												
470	G 01 R	31/00			3/04			3/37			9/06	46-48	H 03 F	3/54												
475-508	G 01 R	31/14	63	H 03 K	7/00	189	H 03 K	3/00	109	H 03 K	9/02	49	H 03 F	1/20												
509,510	G 01 R	31/14	64-66	H 03 K	3/01	190	H 01 J	17/32	110-112	H 03 D	3/00	50,51	H 03 F	1/14												
511	G 01 R	31/28			3/04			19/82	113	H 03 D	3/32	52	H 03 F	3/66												
512-527	G 01 R	31/08	67	H 03 K	3/86			23/34	114	H 03 D	3/30	53,54	H 03 F	3/60												
528-530	G 01 R	31/28	68	H 03 K	3/01			29/98	115	H 03 D	3/32	55	H 03 F	3/26												
531,532	G 01 R	31/08			3/04	191-204	H 03 K	3/04	116,117	H 03 K	3/00			3/60												
533,534	G 01 R	31/11	69-71	H 03 K	17/00	205	H 03 K	3/06	118,119	H 03 D	3/00	56,57	H 03 F	3/60												
535	G 01 R	31/08	72-75	H 03 K	17/00	206	H 03 K	3/12	120,121	H 03 D	3/22	58	H 03 F	21/00												
536	G 01 R	31/32			17/26	207	H 03 K	3/10	122-125	H 03 D	3/00	59	H 03 F	17/00												
		9/50	76	H 03 K	17/00	208,209	H 01 J	17/36			3/18	60	H 03 F	21/00												
537	H 01 H	31/02	77,78	H 03 K	17/26			19/82	126-128	H 03 D	3/04	61,62	H 03 F	15/00												
538	H 01 H	31/04			17/28	210,211	H 03 K	3/02	129,130	H 03 D	3/10	63	H 03 F	9/00												
539-544	H 01 H	31/02	79-85	H 03 K	17/00			17/02	131-134	H 03 D	3/00	64	H 03 F	1/08												
	H 04 B	3/46	86,87	H 03 K	17/26			17/36			3/24	65-68	H 03 F	3/45												
545-547	G 01 R	31/06			17/28	212-226	H 03 K	3/02	135	H 03 D	3/00	69	H 03 F	1/00												
548	G 01 R	31/12	88-91	H 03 K	17/00			19/82	136	H 03 D	3/00	70-74	H 03 F	1/36												
549	G 01 R	31/02	95-102	H 03 K	17/00	227	H 01 J	3/04			3/28	75	H 03 F	1/16												
550	G 01 R	31/02			17/52			29/00			3/02	76	H 03 F	1/36												
	H 01 H	85/30	103-107	H 03 K	17/00	228	H 01 J	29/54	137	H 03 D	3/08	77	H 03 F	1/16												
551-554	H 01 H	31/12	108-119	H 03 K	5/22			29/58	138	H 03 D	3/26			1/36												
555,556	H 01 H	31/02	120	H 03 K	5/19			29/80	139-143	H 03 D	9/00	78	H 03 F	3/28												
557-559	G 01 N	27/00	121,122	G 11 C	11/26			29/84	144	H 03 D	1/00			1/36												
			123,124	Q 11 C	11/23	229	H 01 J	29/70	145,146	H 03 D	1/00			3/50												
					11/26	230	H 01 J	29/76	147		5/00	79	H 03 F	1/36												
			125	G 11 C	11/28	231	H 01 J	29/00	148,149	H 03 D	1/00	80	H 03 F	1/16												
			126	G 11 C	11/26			29/98	150-154	H 03 D	1/22	81,82	H 03 F	1/36												
			127,128	G 06 G	7/18	232	H 01 J	23/00	155	H 03 D	1/28			3/28												
			129 1-131.1	H 03 K	5/00	233	H 01 J	23/34	156	H 03 D	1/26	83	H 03 F	1/36												
1	G 01 N	27/00		H 03 K	5/00			23/34	157-159	H 03 D	9/02	84,85	H 03 F	3/34												
	G 05 D		132	H 03 K	5/00			23/34	160-162	H 03 D	1/00			1/36												
	G 08 B	19/00		H 03 L	7/00	234	H 05 H	7/00	163-167	H 03 D	1/06	86	H 03 F	1/36												
		21/00	133	H 03 D	13/00			13/00	168,169	H 03 D	1/04	87	H 03 F	1/36												
		23/00		H 03 K	9/06	235,236	H 05 H	7/00	170	H 03 D	1/04			3/52												
2	G 08 C			H 03 L	7/00			13/04	171	H 03 D	1/06	88-95	H 03 F	1/22												
	G 01 J	5/00	134	H 03 D	3/02	237	H 05 H	7/00	172	H 03 D	1/06			1/36												
	G 01 N	27/00		H 03 K	9/06			11/00	173	H 03 D	1/00			3/52												
	G 05 D	25/00		H 03 L	7/00	238	H 05 H		174	H 03 D	1/00	96	H 03 F	1/36												
	G 08 B	13/18	135	G 06 G	7/12	239	H 01 J	19/82	175-177	H 03 D	1/16			3/20												
		19/00		H 01 J		240	H 03 K	3/013	178,179	H 03 D	1/20	97	H 03 F	1/36												
		21/00	136	G 01 R	23/02	241-245	H 01 J	19/82	180-184	H 03 D	1/20			3/36												
3	G 08 C			H 03 D	3/00			23/00	185-187	H 03 D	1/20	98-100	H 03 F	1/24												
	G 01 K	7/00	137	H 04 Q	3/00			23/34	188	H 03 D	1/00			1/36												
	G 01 N	27/00	138	H 03 D	3/00			11/00	189	H 03 D	1/02			3/52												
	G 05 D	23/20		H 03 K	9/06			3/02	190-192	H 03 D	1/16	101,102	H 03 F	1/36												
	G 08 B	13/18	139	H 03 B	1/00	246-248	H 03 K	3/02	193	H 03 D	1/00	103,104	H 03 F	1/36												
		19/00	140	H 03 K	5/00	249	H 01 J	17/00	194	H 03 D	1/04			3/68												
4	G 01 N	27/00	141	H 03 L	7/00			19/00	195-197	H 03 D	1/02			1/36												
	G 08 B	19/00		H 03 K	5/00			21/00	198-202	H 03 D	1/00	105-107	H 03 F	1/36												
		21/00			9/06			23/00	203-206	H 03 D	1/10	108,109	H 03 F	3/52												
5	G 08 C			H 03 L	7/00			25/00	207	H 03 D	1/00			1/36												
	G 01 N	27/00	142,143	G 06 G	7/12			29/00				110,111	H 03 F	1/36												
	G 08 B	17/00	144	G 06 G	7/20			31/00				112	H 03 F	1/40												
		13/16	145	G 06 G	7/24	250	H 01 J	17/00				113,114	H 03 F	1/00												
		13/18	146-149	G 06 G	7/14	251	H 01 J	17/02				115	H 03 F	3/02												
		13/24		H 03 K	5/22	252	H 01 J	19/00				116,117	H 03 F	3/28												
		13/26		H 03 L	5/00			21/00				118	H 03 F	3/30												
		19/00	150	H 03 K	17/00	253	H 01 J	21/18				119	H 03 F	3/28												
6	G 08 C		151	H 03 K	5/00	254-257	H 01 J	29/00				120	H 03 F	3/28												
	G 01 N	27/00	152-154	H 03 K	17/00	258	H 01 J	19/82	1	H 03 F	1/00	121	H 03 F	3/36												
	G 08 B	17/00			17/52			3/01	2	G 01 R	19/00			3/28												
7	H 02 H	5/12	155	H 03 K	5/13	259	H 02 H	5/00	3	H 03 F	21/00	122,123	H 03 F	3/68												
	H 05 F	1/00			5/22	260	H 01 J	19/82				124-126	H 03 F	3/00												
		3/00			7/00	261	H 01 J	1/10	4	H 01 S	1/00	127	H 03 G	3/20												
8-11	H 02 H	7/20	156	H 03 L	7/12	262-264	H 01 J	19/82	4.3	H 01 S	3/00			3/20												
12	H 05 K		157	H 03 K	5/00			7/44	4.5	H 03 F	7/06	128-131	H 03 G	5/16												
13-20	H 03 B	19/00	158	G 06 G	7/00	265-271	H 02 M	19/82	4.6,4.7	H 03 F	7/00	132	H 03 G	9/00												
21	H 03 B	28/00	159	G 06 G	7/42			3/013	4.8,4.9	H 03 F	7/00	133,134	H 03 G	11/00												
									5	H 01 S	1/00	135	H 03 G	3/20												
												136-142	H 03 G	3/20												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 330—Con.			296,297	H 03 F	3/04	110	H 03 B	5/14	52-55	H 03 C	1/00	133	H 01 L	41/00
143	H 03 F	1/30	298	H 02 H	7/20			5/26		H 03 C	1/08		H 03 H	9/00
144,145	H 03 F	1/30		H 03 F	3/04			5/38	57	H 03 C	1/00	134-137	H 01 P	5/12
	H 03 G	3/20	299	H 03 F	3/04			5/42	58	H 03 C	1/32	138	H 03 H	7/18
146	H 03 F	3/00	300	H 03 F	3/16	111	H 03 K	3/26	59-67	H 03 C	1/00			7/30
		3/26	301	H 03 F	3/04	112	H 03 K	3/30	68	H 03 C		139	H 03 H	7/20
147,148	H 03 F	3/00	302-306	H 03 F	3/04	113	H 03 K	3/281						7/38
		3/68			3/191	114	H 03 K	3/26				140	H 03 H	7/18
		5/00	307	H 03 F	3/14			5/12						7/30
149	H 03 F	1/26	308	H 03 F	3/08	115	H 03 B	7/00	U.S. Class 333			141-155	H 03 H	9/00
		1/30	309	H 03 F	3/14	116	H 03 B	5/30	WAVE TRANSMISSION LINES AND NETWORKS			156,157	H 01 P	1/18
150	H 03 F	1/22	310,311	H 03 F	3/04			5/36				158-160	H 01 P	9/00
		3/18			3/68	117,126	H 03 B	5/00						1/18
151	H 03 F	1/00	U.S. Class 331			127	H 03 B	7/10						3/00
152-154	H 03 F	1/22	OSCILLATORS					11/02						9/00
155-157	H 03 F	1/00				128	H 03 B	11/08				161	H 01 P	1/18
158	H 03 F	1/00				129-131	H 03 K	3/37						3/08
		3/52				132-134	H 03 B	7/00	1.1	H 01 P	1/32			9/00
159	H 03 F	3/34				135-137	H 03 B	5/20	2-5	H 01 P	5/00	162,163	H 01 P	1/18
		3/52				138	H 03 B	5/14	12	H 04 B	3/28			3/00
160	H 03 F	1/00	1,2	H 03 L	7/00			5/42	13	H 01 P	1/04			9/02
161	H 03 F	1/00	3	H 03 L	7/26	139	H 03 B	5/38	14	H 03 G	7/00	164	H 01 P	3/00
		3/34	4-18	H 03 L	7/00	140-142	H 03 B	5/26	15,16	H 04 B	1/64			9/00
162	H 03 F	1/00	19	H 03 L	7/16	143	H 03 K	3/02	17.1	H 03 G	11/04	165	G 11 C	19/28
163	H 03 F	1/00	20-36	H 03 L	7/00	144,145	H 03 K	3/06	17.2	H 04 B	3/04			7/38
		3/36	37	H 03 B	21/00	146-149	H 03 K	3/16	17.3	H 03 G	11/00	166	H 03 H	7/38
164-167	H 03 F	1/00	38	H 03 B	21/02	150-152	H 03 K	3/02				167	H 03 H	7/00
168	H 03 F	3/52	39-43	H 03 B	21/00	153	H 03 K	7/00	18	H 01 P	5/08	168-170	H 03 H	7/00
169-171	H 03 F	1/00	44	G 01 R	23/00	154-156	H 03 B	5/30						7/01
172	H 03 F	3/52	45	H 03 B	27/00	157	H 03 B	5/40	19	H 04 B	3/04	171	H 03 H	7/01
173	H 03 F	3/36	46-59	H 03 B	25/00	158-164	H 03 B	5/32	20	H 04 B	3/04	172-174	H 03 H	7/00
		3/52	60	H 03 B		165	H 03 B	11/00	21	H 01 P	1/15	175-177	H 03 H	7/00
174	H 03 F	1/00	61	H 03 B		166	H 03 B	11/08	22	H 01 P	1/26			7/01
		13/00	62,63	H 02 H	7/20	167-174	H 03 B	5/08	23	H 04 B	3/40	178-180	H 03 H	7/01
175-180	H 03 F	1/00	64	G 08 B				5/18	24	H 03 H	5/00	181-185	H 03 H	7/00
181,182	H 03 F	3/36		H 03 B	1/00	175,176	H 03 L	1/00	24.1	H 01 P	1/32	186-196	H 03 H	9/00
183,184	H 03 F	3/34	65	G 01 N	27/00	177-181	H 03 B		24.2	H 01 P	1/36	197-199	H 03 H	9/205
185	H 03 F	1/00		G 05 D	19/00	182	H 03 B		24.3	H 01 P	1/175			9/22
		3/00		G 08 B	23/00	183-185	H 03 B	1/00						9/24
186	H 03 F	3/52				186	H 03 L		25,26	H 03 H	5/00	200	H 03 H	9/02
187	H 03 F	3/36				187	H 03 B		27	H 03 H	5/10			9/24
		3/52	66	G 08 C	5/00	U.S. Class 332						201	H 03 H	7/34
188-189	H 03 F	1/00		G 01 J	7/00	MODULATORS						202,203	H 01 P	1/20
		3/00		G 01 K	27/00				28	H 03 H	5/00	204,205	H 01 P	1/20
191	H 03 F	3/36		G 01 N	23/20				32-35	H 03 H	7/38			3/08
192	H 03 F	1/00		G 05 D	13/18				81	H 01 P	1/22	206,207	H 01 P	1/20
		3/00		G 08 B	19/00				99	H 01 P	1/00			3/06
193	H 03 F	3/52			21/00	1	H 03 C	1/50	100	H 01 P	5/12	208-211	H 01 P	1/20
194	H 03 F	3/36			27/00	2	H 03 C	3/38	101	H 01 P	5/12	212	H 01 P	3/12
		3/52	67-69	H 03 B	1/00	3,4	H 03 C	1/46						11/00
195-197	H 03 F	1/00	70,71	H 03 B		5	H 03 C	1/30	103-108	H 01 P	5/12	213-217	H 03 H	1/00
		3/00	72	H 03 B	5/28			3/32				218	H 01 P	7/00
198	H 03 F	3/36	73	H 03 B	5/34			5/04	109	H 01 P	5/18			7/10
		3/52	74-76	H 03 B	1/00			1/28				219	H 01 P	7/00
199-206	H 03 F	1/00	77	H 03 B	29/00			3/30	110	H 01 P	7/46	219.1	H 01 P	7/00
207	H 03 F	21/00	78	H 03 B	9/01	6,7	H 03 B	5/02				219.2	H 01 P	7/02
208	H 03 F	3/04	79	H 03 B	13/00			1/00				220,221	H 01 P	7/04
251	H 03 F	3/217	80	H 03 B	9/02			3/00				222-226	H 01 P	7/06
252-261	H 03 F	3/45			9/08	7,5	H 01 S	5/18	111	H 01 P	5/12	227	H 01 P	1/16
262	H 03 F	3/26	81	H 03 B	9/04	7.51	H 01 S	7/38				228	H 01 P	7/06
263,264	H 03 F	3/18	82	H 03 B	9/01	8	H 03 C	3/08	112	H 03 H	5/18			1/30
265-276	H 03 F	3/26	83	H 03 B	9/06	9-15	H 03 K	3/00				229	H 01 P	7/06
277	H 03 F	3/16	84	H 03 B	9/10	16,17	H 03 C	3/34	113-115	H 01 P	5/12	230-233	H 01 P	7/00
278	H 03 G	3/10			9/02	18	H 03 C	3/28				234,235	H 01 P	3/00
		3/18	86-91	H 03 B	17/00	19-24	H 03 C	3/00				236,237	H 01 P	3/08
		3/30	92,93	H 03 B	5/08	25	H 03 C	3/12				238	H 01 P	3/00
279-281	H 03 G	3/10	94.1	H 01 S	7/12	26	H 03 C	5/12				239	H 01 P	3/12
282	H 03 G	3/12		H 03 B	1/00	27	H 03 C	3/20				240	H 01 P	3/14
		3/18	95	H 03 B	9/01	28	H 03 C	1/06				241	H 01 P	3/00
		3/30	96-102	H 03 B	5/12	29	H 03 C	1/00				242	H 01 P	3/06
283	H 03 G	3/12			5/00	30	H 03 C	5/00				243,244	H 01 P	1/00
284	H 03 G	3/10	103	H 03 B	5/24	31	H 03 C	1/54				245	H 01 P	3/08
		3/18	104	H 03 B	5/36	32	H 03 C	1/52				246	H 01 P	1/00
		3/30	105	H 03 B	7/06	33-41	H 03 C	1/60				247,248	H 01 P	1/02
285	H 03 G	3/10	106	H 03 L	11/10	42	H 03 C	1/54				249	H 01 P	1/00
286,287	H 03 F	3/60	107	H 03 B	19/14			1/52				250	H 01 P	5/00
288,289	H 03 F	3/04			5/12	43	H 03 C	1/00						1/16
290	H 03 F	1/30			5/24	44	H 03 C	5/12				251	H 01 P	1/08
291	H 03 F	1/38			5/36	45	H 03 C	5/12				252	H 01 P	1/28
292	H 03 F	1/14			7/14			1/60				253	H 01 P	3/00
293	H 03 F	1/08			11/10	46	H 03 C	1/00						5/04
		1/34			19/14	47	H 03 C	1/54						
294	H 03 F	1/34	108	H 03 B	5/12	48-50	H 03 C	1/00						
		1/38			5/24	51	H 03 C	1/48						
295	H 03 F	3/68	109	H 03 L	5/00									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Class 333—Con.			U.S. Class 335			U.S. Class 334			U.S. Class 336			U.S. Class 337		
U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
254	H 01 P	1/04	84	H 03 J	1/06	42	H 01 H	83/00	200	H 01 H	1/12	285-287	H 01 F	7/20
255	H 01 P	1/00	85	H 03 J	3/20	43-45	H 01 H	75/10	201	H 01 H	9/30	288	H 01 F	7/02
256,257	H 01 P	5/00	86,87	H 03 J	1/00	46	H 01 H	77/06	202	H 01 H	9/02	289-294	H 01 F	7/20
258	H 01 P	1/10	88	H 03 J	3/00	47-56	H 01 H	81/04	203-207	H 01 H	13/04	295	H 01 F	7/04
259	H 01 P	1/12	89	H 03 J	1/00	57	H 01 H	77/04	208	H 01 H	9/00	296	H 01 F	1/00
260	H 01 P	5/00			3/12	58	H 01 H	81/02	209	H 01 F	37/00			3/00
261	H 01 P	1/06			1/00	59	H 01 H	75/00	210	H 01 F	1/00	297,298	H 01 F	3/00
262	H 01 P	1/10			3/00	60	H 01 H	77/00	211	H 01 F	7/00	299,300	H 01 F	5/00
263	H 01 P	1/00			5/00	61	H 01 H	83/00	212	H 01 F	3/12	301	H 01 F	7/00
						62	H 01 H	29/00	213,214	H 01 H	7/00	302	H 01 F	7/02
						63	H 01 H	1/00	215	H 01 F	1/00	303	H 01 F	3/00
						64	H 01 H	29/00			1/00	304-306	H 01 F	7/02
						65	H 01 H	7/00			7/00			7/02
						66	H 01 H	43/00			7/02			
						67	H 01 H	7/00			7/06			
						68-77	H 01 H	43/02			55/00			
						78-86	H 01 H	7/03	216	H 01 F	1/00			
						87-98	H 01 H	43/02	217,218	H 01 F	7/22			
						99-105	H 01 H	7/02			1/00			
						106	H 01 H	7/08			7/00			
						107,108	H 01 H	7/14			41/00			
						109-112	H 01 H	43/02	219	H 01 F	1/00			
						113	H 01 H	7/08			7/00			
						114	H 01 H	43/08	220	H 01 F	7/08			
						115-121	H 01 H	7/10	221	H 01 F	7/08			
						122,123	H 01 H	43/02	222-227	H 01 F	51/32			
						124	H 01 H	7/06	228	H 01 F	7/08			
						125	H 01 H	43/02			7/18			
						126	H 01 H	7/06	229-235	H 01 F	7/00			
						127	H 01 H	43/02			7/08			
						128-132	H 01 H	43/04	236	H 01 F	3/12			
						133-135	H 01 H	3/00			7/08			
						136,137	H 01 H	9/00	237,238	H 01 F	7/08			
						138-140	H 01 H	51/00	239-242	H 01 F	7/18			
						141-146	H 01 H	51/22	243-246	H 01 F	7/10			
						147	H 01 H	51/34	247-249	H 01 F	7/12			
						148-150	H 01 H	51/30	250	H 01 F	7/10			
						151-154	H 01 H	67/00	251	H 01 F	3/00			
						155,156	H 01 H	67/02	252	H 01 F	7/10			
						157	H 01 H	67/14	253	H 01 F	7/08			
						158,159	H 01 H	67/02	254	H 01 F	7/08			
						160,161	H 01 H	67/02	255-262	H 01 F	3/00			
						162,163	H 01 H	67/06	263	H 01 F	7/08			
						164-171	H 01 H	67/06	264	H 01 F	7/08			
						172-184	H 01 H	67/02	265	H 01 F	7/00			
						185-187	H 01 H	67/02	266	H 01 F	7/08			
						188	H 01 H	67/06	267	H 01 F	5/00			
						189-192	H 01 H	67/02	268	H 01 F	7/08			
						193	H 01 H	67/02	269-271	H 01 F	7/08			
						194,195	H 01 H	67/06	272	H 01 F	7/08			
						196	H 01 H	67/02	273,274	H 01 F	7/14			
						197	H 01 H	67/06	275,276	H 01 F	7/08			
						198	H 01 H	67/02	277	H 01 F	1/00			
						199	H 01 H	67/02	278	H 01 F	3/00			
								61/00	279	H 01 F	7/08			
								85/00	280	H 01 F	3/00			
								83/00	281	H 01 F	3/00			
								77/06	282	H 01 F	7/08			
								81/04	283	H 01 F	7/00			
								1/00	284	H 01 F	7/20			
								1/06			13/00			

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 337—Con.			120	H 01 H	61/02			85/165	360,361	H 01 H	37/12			10/00
		61/00			87/00			85/26			37/52	64,65	H 01 C	1/06
		71/00	121,122	H 01 H	61/00	258,259	H 01 H	85/26	362-364	H 01 H	37/52	66	H 01 C	7/00
4-11	H 01 H	85/00			87/00	260,261	H 01 H	85/143		H 01 H	37/54			10/00
12,13	H 01 H	31/00	123	H 01 H	61/00	262,263	H 01 H	85/24	365	H 01 H	37/54	67	H 01 C	13/00
		37/00			71/18	264	H 01 H	85/22	366	H 01 H	37/54	68-70	H 01 C	10/00
14	H 01 H	71/00	124	H 01 H	61/00	265	H 01 H	85/30	367	H 01 H	37/66	71	H 01 C	10/10
		71/00			71/22	266	H 01 H	85/32			37/70	72	H 01 C	10/08
15-20	H 01 H	61/00	125	H 01 H	61/06	267	H 01 H	85/30	368	H 01 H	37/12			10/10
		71/00			81/02	268,269	H 01 H	85/143			37/54			10/46
		71/14	126-137	H 01 H	61/00	270-272	H 01 H	85/143	369-371	H 01 H	37/52	73	H 01 C	10/42
		79/00			71/18			85/165	372	H 01 H	37/04	74	H 01 C	10/38
21	H 01 H	87/00	138	H 01 H	61/06	273-275	H 01 H	85/38			37/52	75-79	H 01 C	10/00
22-27	H 01 H	61/00			81/00	276	H 01 H	85/18	373	H 01 H	37/52	80-86	H 01 C	10/02
28,29	H 01 H	61/00	139,140	H 01 H	61/06	277	H 01 H	85/40			37/64	87,88	H 01 C	10/00
		71/00			71/18	278	H 01 H	85/38	374	H 01 H	37/02	89-91	H 01 C	10/04
30-35	H 01 H	39/00	141	H 01 H	61/02	279	H 01 H	85/44			37/52	92-97	H 01 C	10/06
36-50	H 01 H	61/00	142	H 01 H	85/00	280	H 01 H	85/38	375	H 01 H	37/52	98	H 01 C	10/10
		71/16	143	H 01 H	71/20	281	H 01 H	85/42			37/08	99-114	H 01 C	10/10
51	H 01 H	61/06	144,145	H 01 H	71/20	282	H 01 H	85/38	376	H 01 H	37/52			10/12
		81/00	146	H 01 H	71/20	283	H 01 H	85/04	377	H 01 H	37/14	115	H 01 C	10/10
52-71	H 01 H	71/16			73/22	284	H 01 H	85/28			37/52	116	H 01 C	10/14
72	H 01 H	71/16	147,148	H 01 H	71/20	285-288	H 01 H	85/26	378	H 01 H	37/10	117-121	H 01 C	10/30
		71/50	149-155	H 01 H	71/20	289	H 01 H	85/26			37/52	122-124	H 01 C	10/18
		73/22			73/22	290-293	H 01 H	85/04			37/52	125-134	H 01 C	10/16
		77/04	156,157	H 01 H	71/20	294,295	H 01 H	85/04	379	H 01 H	37/04	135-137	H 01 C	10/00
73	H 01 H	71/16			73/24	296,297	H 01 H	85/04	380,381	H 01 H	37/52	138-142	H 01 C	10/22
		75/08	158-160	H 01 H	85/04	298	H 01 H	37/00			37/46	143-149	H 01 C	10/24
74-76	H 01 H	71/16	161,162	H 01 H	85/04	299,300	H 01 H	37/02	382,383	H 01 H	37/46	150-152	H 01 C	10/26
77	H 01 H	61/02			85/12	301	H 01 H	37/62	384-389	H 01 H	37/46	153-155	H 01 C	10/00
		71/16	163,164	H 01 H	85/04	302,303	H 01 H	37/02			37/74	156	H 01 C	10/00
78	H 01 H	61/00	165	H 01 H	71/20	304,305	H 01 H	37/12	390,391	H 01 H	37/46	157,158	H 01 C	10/28
		71/16	166,167	H 01 H	71/20	306-311	H 01 H	37/36			37/60	159	H 01 C	10/00
79	H 01 H	71/16	168-179	H 01 H	85/04	312-314	H 01 H	37/36			37/74	160,161	H 01 C	10/30
		71/04			71/10			37/74	392	H 01 H	37/12	162-171	H 01 C	10/32
		71/16	180,181	H 01 H	71/20	315	H 01 H	37/44			37/46	172,173	H 01 C	10/36
		73/12			71/08			37/74	393	H 01 H	37/46	174,175	H 01 C	10/34
80	H 01 H	29/00	182-185	H 01 H	71/20	316,317	H 01 H	37/36	394	H 01 H	37/48	176-179	H 01 C	10/38
		71/16	186	H 01 H	85/02	318	H 01 H	37/36	395	H 01 H	37/50	180,181	H 01 C	10/40
81-84	H 01 H	61/00			85/02			37/60	396,397	H 01 H	37/46			10/42
		71/16	187-189	H 01 H	85/20	319	H 01 H	37/12	398	H 01 H	37/04	182	H 01 C	10/38
85	H 01 H	61/04			85/02			37/36			37/46	183	H 01 C	10/44
86-91	H 01 H	61/00	190	H 01 H	85/46	320,321	H 01 H	37/38	399,400	H 01 H	37/46	184	H 01 C	1/02
92	H 01 H	61/06			85/02			37/40			37/64			10/00
93,94	H 01 H	61/08	191-196	H 01 H	85/36	322	H 01 H	37/42	401-412	H 01 H	37/76	185-189	H 01 C	10/46
95,96	H 01 H	61/00			85/02	323	H 01 H	37/12	413	H 01 H	37/64	190-193	H 01 C	10/48
97	H 01 H	61/00	197-202	H 01 H	85/46			37/36			37/76	194	H 01 C	10/46
		71/16	203	H 01 H	85/02	324	H 01 H	37/14	414-416	H 01 H	37/76	195-197	H 01 C	10/00
98	H 01 H	61/00			39/00			37/36	417	H 01 H	37/02	198	H 01 C	10/50
		71/00	204,205	H 01 H	85/02	325	H 01 H	37/36				199	H 01 C	10/00
99	H 01 H	61/00	206	H 01 H	85/02			37/74				200,201	H 01 C	10/00
		71/22	207	H 01 H	85/30	326-328	H 01 H	37/36				202	H 01 C	1/12
100,101	H 01 H	61/00	208-210	H 01 H	85/02	329	H 01 H	37/36	U.S. Class 338					
		71/16			85/22			37/64	ELECTRICAL RESISTORS					
102-107	H 01 H	61/00	211,212	H 01 H	85/48	330	H 01 H	37/12				203	H 01 C	7/00
		63/00			85/22			37/36	1	H 01 C	8/02	204,205	H 01 C	7/18
		71/00	213-215	H 01 H	85/54	331	H 01 H	37/36	2-5	G 01 L	1/22	206-209	H 01 C	3/00
108	H 01 H	61/017	216	H 01 H	85/50			37/64	6	G 01 B	7/16	210-214	H 01 C	3/06
		61/02			85/60	332	H 01 H	37/08	7-10	H 01 C	7/06	215,216	H 01 C	13/00
109	H 01 H	1/02	217-219	H 01 H	85/52			37/36	11	H 01 C	1/08	217,218	H 01 C	3/08
		1/06			85/62	333-340	H 01 H	37/52	12	H 01 C	10/14	219-221	H 01 C	13/00
		61/00	220	H 01 H	71/20	341	H 01 H	37/52	13,14	H 01 C	7/00	222	H 01 C	10/02
		71/16			73/22			37/62	15-19	H 01 L	31/08	223-225	H 01 C	8/00
110	H 01 H	9/30	221	H 01 H	85/02	342,343	H 01 H	37/74	20-24	H 01 C	7/10	226-231	H 01 C	1/02
		61/00			73/22	344	H 01 H	37/66			7/13	232,233	H 01 C	1/022
		71/00	222-224	H 01 H	85/02			37/74	25-31	H 01 C	3/04	234-236	H 01 C	1/026
111	H 01 H	61/00	225,226	H 01 H	85/46	345	H 01 H	37/74			7/02	237	H 01 C	1/024
		71/16	227-229	H 01 H	85/00	346	H 01 H	37/62	32	H 01 L	7/04	238-242	H 01 C	1/03
112	H 01 H	45/02	230	H 01 H	85/24	347	H 01 H	37/12			43/00	243-251	H 01 C	1/028
		61/00	231	H 01 H	85/143			37/74			43/02	252-255	H 01 C	1/02
		71/02	232-236	H 01 H	85/165	348	H 01 H	37/70			43/04	256,257	H 01 C	1/031
113	H 01 H	61/01	237	H 01 H	85/26			37/74			43/06	258-261	H 01 C	1/02
		71/08	238-240	H 01 H	85/143	349	H 01 H	37/12			43/08	262-266	H 01 C	1/034
114	H 01 H	37/36	241	H 01 H	85/00			37/52	33	H 01 C	10/14	267-274	H 01 C	1/02
		61/00	242	H 01 H	85/36	350-355	H 01 H	37/52	34,35	H 01 C	7/00	275	H 01 C	1/034
		87/00	243,244	H 01 H	85/30	356	H 01 H	37/52	36-47	H 01 C	10/10	276	H 01 C	1/02
115	H 01 H	61/00	245-250	H 01 H	85/32	357	H 01 H	37/74	48	H 01 C	10/16	277	H 01 C	1/00
		87/00			85/30			37/22			13/02	278-282	H 01 C	3/00
116	H 01 H	61/06	251-254	H 01 H	85/143	358	H 01 H	37/52			7/00	283-292	H 01 C	3/10
		87/00	255,256	H 01 H	85/165			37/74	49	H 01 C	7/00			7/22
117-119	H 01 H	61/00			85/143	359	H 01 H	37/74	50	H 01 C	13/00	293	H 01 C	3/12
		87/00	257	H 01 H	85/165			37/52	51-54	H 01 C	1/08	294	H 01 C	7/22
					85/143			37/74	55,56	H 01 C	1/082	295	H 01 C	3/10
					85/165			37/52	57-59	H 01 C	1/08	296	H 01 C	7/22
					85/143			37/74	60-63	H 01 C	3/02	297	H 01 C	13/00
					85/143			37/74			7/00			3/14

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 338—Con.			442	B 60 C	23/00	734	G 09 G	1/14		G 08 C	15/06	937	G 08 C	1/017
					23/02	735	G 09 G	1/06	870.03	G 08 C	15/06			1/054
298	H 01 C	7/22	443-448	B 60 C	23/00			1/16			19/20	938,939	G 08 G	1/01
		3/16	449-457 4	B 60 Q	1/00	736	G 09 G	1/08	870.04	G 08 C	15/06	940	G 08 G	1/02
		7/22	458	B 60 Q	11/00	737,738	G 09 G	1/08			19/22	941	G 08 G	1/01
299,300	H 01 C	3/14	459,460	B 60 Q	1/00			1/12	870.05,870.06	G 08 C	19/06	942,943	G 08 G	1/04
		7/22	461	B 60 Q	1/00	739-742	G 09 G	1/10	870.07	G 08 C	19/22	944	G 08 G	1/095
301	H 01 C	3/18		G 09 F	9/00	743	G 09 G	1/08		H 04 Q	9/00	945,946	G 08 B	21/00
		7/22	462	B 60 Q	1/00	744-751	G 09 G	1/14	870.08	G 08 C	19/00	947-950	G 08 G	5/00
302,303	H 01 C	3/20		G 09 F	9/30	752-755	G 09 G	3/20	870.09	G 08 B	19/00	951	B 64 F	1/20
		7/22	463	B 60 Q	1/22	756,757	G 09 G	3/04			21/00		G 08 G	5/00
304,305	H 01 C	3/14			1/26	758	G 09 G	3/04	870.1	G 08 C	17/00	952,953	B 64 F	1/18
		7/22	464	B 60 Q	1/50			3/06			19/16		G 08 G	5/00
306-314	H 01 C	1/012	465	B 60 Q	1/34			3/10	870.11	G 08 C	19/04	954	B 64 F	1/20
315	H 01 C	1/01	466	B 60 Q	1/54	759	G 09 G	3/04			19/10		G 08 G	5/00
316	H 01 C	10/16	467	B 60 Q	1/50			3/06	870.12	G 01 K	5/00	955	B 64 F	1/18
317	H 01 C	1/01	468,469	B 60 Q	1/26	760	G 09 G	3/08		G 08 C	15/06		G 08 G	5/00
318,319	H 01 C	10/14	470	B 60 Q	1/50			3/12	870.13	G 08 C	15/08	956	G 08 G	5/00
320	H 01 C	1/01	471	B 60 Q	1/52	761	G 09 G	3/04			15/12	957-959	G 08 B	21/00
321	H 01 C	1/00	472	B 60 Q	1/52			3/06	870.14	G 08 C	15/08		G 08 G	5/00
322-326	H 01 C	1/14			7/02	762	G 09 G	3/14	870.15	G 08 C	15/00	960	G 08 B	21/00
327	H 01 C	1/142	473	B 60 Q	7/00	763,764	G 09 G	3/16			15/04	961	G 08 G	5/04
328	H 01 C	1/14	474	B 60 Q	1/26	765	G 09 G	3/18	870.16	G 08 B	21/00	962	G 08 B	21/00
329	H 01 C	1/144			5/00	766,767	G 09 G	3/20	870.17	G 08 C	19/12	963-970	G 08 B	23/00
330	H 01 C	1/14	475	B 60 Q	1/34	768	G 09 G	3/26			19/16	971,972	G 01 C	21/00
331	H 01 C	1/146	476,477	B 60 Q	1/40			3/28	870.18	G 08 C	19/16			23/00
332	H 01 C	1/148	478	B 60 Q	1/34	769,770	G 09 G	3/20	870.19	G 08 C	19/16	973	G 01 C	23/00
333	H 01 C	3/00	479	B 60 Q	1/44	771-779	G 09 G	3/22			19/20	974	G 01 C	21/00
		7/00	480	B 60 Q	1/26			3/28	870.2	G 08 B	29/00	975	G 01 C	23/00
		10/00		G 08 B	5/22	780	G 09 G	3/24		G 08 C	19/16	976-980	G 01 C	21/00
334	H 01 C	13/00	481-486	G 08 B	5/22	781	G 09 G	3/30	870.21-870.26	G 08 C	19/16	981,982	B 64 D	47/06
			487-490	G 08 B	5/24	782	G 09 G	3/32		H 04 Q	9/00	983	B 64 D	47/06
			500-504	G 08 B	23/00	783	G 09 G	3/34	870.27	G 08 C	17/00		G 08 G	5/00
			505	G 08 B	26/00	784	G 09 G	3/36			19/12	984	G 08 B	23/00
			506-516	G 08 B	29/00	785-788	G 09 G	3/34	870.29	G 08 C	19/02	985	G 08 G	3/00
			517	G 08 B	23/00	789-791	G 09 G	3/00			19/16	986	G 08 B	21/00
			518	G 08 B	26/00	792	G 09 G	3/26	870.3	G 08 C	19/00	987	B 63 H	25/36
			519,520	G 08 B	23/00	793	G 09 G	3/00			19/38	988-996	G 08 G	1/123
			521,522	G 08 B	19/00	794-797	G 09 G	1/26	870.31	G 08 C	19/06			
			523	G 08 B	23/00	798-801	G 09 G	1/02			19/12			
286	G 08 B		524,525	G 08 B	25/00	802-814	G 09 G	3/00	870.32-870.36	G 08 C	19/06			
287-309	G 08 B	25/00	526-530	G 08 B	23/00	815.01	G 08 B	5/00	870.37	G 08 C	19/10			
309.15-309.6	G 08 B	1/00	531,532	G 08 B	1/00			5/36			19/16			
310	H 04 M	11/04	533-538	H 04 Q	1/30	815.02	G 08 B	5/00	870.38	G 08 C	15/00			
311.1	H 04 Q	1/30		G 08 B	1/08	815.03	G 08 B	5/22	870.39	G 08 C	19/04			
313-323	G 08 B	23/00		H 04 Q	1/30			33/00	870.4	G 08 C	15/00			
326,327	G 08 B	27/00		G 08 B	1/08	815.04,815.05	G 08 B	5/00	870.41	G 08 C	19/00			
328,329	G 08 B	3/00	539	H 04 Q	7/00	815.06	G 01 J	1/34	870.42	G 08 C	19/02			
330	G 08 B	3/00		G 08 B	21/00	815.07-815.09	G 08 B	5/00	870.43	G 08 C	19/00			
		5/00	540	G 08 B	13/00	815.1	G 08 B	5/36			25/00			
331,332	G 08 B	5/00	541	E 05 B	45/06	815.11	G 08 B	5/22	870.44	G 08 C	19/16			
	H 05 B	39/00	542,543	G 08 B	13/20	815.12-815.14	G 08 B	5/36	901,902	G 08 G	1/00			
		41/00	544	G 08 B	13/08	815.15,815.16	G 08 B	5/00	903	G 08 G	1/16			
333	G 08 B	1/00	545-547	G 08 B	13/12	815.17	G 08 B	5/24	904	G 08 G	1/00			
384	G 08 B	3/00	548	G 08 B	13/08	815.18	G 08 B	5/36	905	G 08 G	1/09			
385,386	G 01 V	1/104	549	G 08 B	13/00	815.19-815.23	G 08 B	5/00	906	G 08 G	1/07			
		1/157	550	G 08 B	13/24	815.24	G 04 C	17/00	907,908	G 08 G	1/095			
	G 08 B	3/00	551	G 08 B	13/18	815.25	G 08 B	5/14	908.1	B 60 Q	7/00			
387	G 08 B		552-557	G 08 B	13/26	815.26-815.3	G 08 B	5/00		E 01 F	9/00			
388-391	G 08 B	3/00	561-564	G 08 B	13/00	815.31	G 08 B	5/00		G 08 G	1/00			
	G 10 K	9/00	565,566	G 08 B	13/18		G 09 F	19/12	909-911	G 08 G	1/07			
392-401	G 08 B	3/00	567	G 08 B	13/14	815.32,815.33	G 08 B	5/00			1/08			
	G 10 K	1/00	568-572	G 08 B	23/00	825	H 04 Q	1/07	912-914	G 08 G	1/07			
		3/00	573	G 08 B	13/00	825.01	H 04 L	1/00	915	G 08 G	1/07			
402,403	G 01 K	1/08	574	G 08 B	23/00	825.02-825.04	H 01 H	67/00			1/095			
	G 08 B	3/00	575,576	G 08 B	17/12	825.05	H 04 Q	3/00	916	G 08 G	1/07			
404	G 08 B	3/00	577-579	G 08 B	19/02	825.06-825.18	G 05 B	23/02	917-919	G 08 G	1/07			
	G 10 K	9/00	580-583	G 08 B	17/00	825.19	H 04 Q				1/08			
405	G 08 B	3/00	584-589	G 08 B	17/02	825.2,825.21	H 04 L	7/00	920,921	G 08 G	1/07			
	G 10 K	7/00	590,591	G 08 B	17/04	825.22-825.24	G 05 B	19/02	922	G 08 G	1/08			
406	G 08 B	3/00	592	G 08 B	17/06	825.25-825.29	H 04 Q		923	G 08 G	1/07			
	G 10 K	5/00	593-599	G 08 B	17/12	825.3-825.33	G 06 F	7/04			1/095			
407	G 08 B		600	G 08 B	1/00	825.34	G 07 D	7/00	924-927	G 08 G	1/07			
425	H 04 B	3/38	601	G 01 W	21/00	825.35	G 06 F	7/04	928	G 08 G	1/00			
425.5	B 60 Q	1/00	602-627	G 08 B	17/10	825.36,825.37	G 08 B	5/22			1/065			
426	B 60 R	25/10	628-634	G 08 B	21/00	825.38-825.43	H 04 L	12/28	929,930	G 08 G	1/096			
427	B 60 R	25/10	635-690	G 08 B	3/00		H 04 M	11/02	931	G 08 G	1/097			
	B 62 H	5/00	691	G 08 B	5/00	825.44-825.49	G 08 B	5/22	932	G 08 G	1/096			
	B 62 J	3/00			7/00	825.5-825.56	H 04 Q				1/096			
428-430	B 60 R	25/10			25/08	825.57-825.78	G 08 C	19/00	932.1	E 01 F	9/00			
431	G 08 B	21/00	692	G 08 B	23/00	825.79-825.98	H 04 Q			G 08 G	1/08			
432	B 62 J	3/00	693	G 08 B	1/00	826,827	H 04 B	3/38	932.2	B 60 Q	1/48			
		6/00	700	G 09 G	3/00	850-852	H 04 B	13/02		G 08 G	1/14			
433	B 60 Q	1/26			1/28	853-861	G 01 V	1/00	933	G 08 G	1/01			
434	B 60 Q	1/00	701-704	G 09 G	3/02	870.01	G 08 C	19/16	934	G 08 G	1/065			
	G 08 B	21/00	705-719	G 09 G	1/06	870.02	G 08 B	23/00	935,936	G 08 G	1/01			
435-441	B 60 Q	1/00	720-733	G 09 G										

U.S. Class 341

CODED DATA GENERATION OR CONVERSION

1-17	H 03 M	1/22
20-35	H 03 K	17/94
	H 03 M	11/00
50	H 03 M	7/00
51	H 03 M	7/34
		7/38
52	H 03 M	5/00
53	H 03 M	5/08
54	H 03 M	5/22
55	H 03 M	5/00
56	H 03 M	5/02
57	H 03 M	5/16
58	H 03 M	5/00
59-61	H 03 M	7/00
62	H 03 M	7/12
63	H 03 M	7/46
64-67	H 03 M	7/40
68	H 03 M	5/06
69-71	H 03 M	7/12
72-74	H 03 M	5/14
75	H 03 M	7/50
76	H 03 M	7/30
77	H 03 M	7/32
78-82	H 03 M	7/00
83	H 03 M	7/02
84,85	H 03 M	7/04
		7/12
86	H 03 M	7/00
87	H 03 M	7/30
88-93	H 03 M	7/00
94	H 03 M	13/00
95	H 03 M	7/00
96	H 03 M	7/14
97,98	H 03 M	7/04
		7/16
99	H 03 M	7/00
100,101	H 03 M	9/00
102,103	H 03 M	7/20
104,105	H 03 M	7/04
		7/08
106,107	H 03 M	7/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 341—Con.			368	H 01 Q	3/22	789	H 01 Q	1/42	U.S. Class 346			96 19	G 02 B	6/34
108	H 03 M	1/02			3/24	790,791	H 01 Q	9/04	RECORDERS			96.2	G 02 B	6/26
109	H 03 M	1/04			3/26	792	H 01 Q	9/16				96.21	G 02 B	6/36
110	H 03 M	1/00	369	G 01 S	5/02	792 5	H 01 Q	11/10	1.1-43	G 01 D	9/00	96.22	G 02 B	6/38
111-117	H 03 M	1/48	370	H 01 Q	1/00	793	H 01 Q	9/16	44	G 01 D	9/04	96.23	G 02 B	6/40
118,119	H 03 M	1/06	371-373	H 01 Q	3/22	794	H 01 Q	21/00			9/08	96.24	G 02 B	6/44
120,121	H 03 M	1/10			3/24	795	H 01 Q	9/28	45-64	G 01 D	9/28	96.25	G 02 B	6/04
122-130	H 03 M	1/00			3/26	796	H 01 Q	21/20			9/36	96.26	G 02 B	6/06
131	H 03 M	1/20	374	H 01 Q	3/02	797,798	H 01 Q	21/26	65-73	G 01 D	9/00	96.27	G 02 B	23/26
132-137	H 03 M	1/00			3/12	799,800	H 01 Q	21/20	74.2-74.7	G 11 B	9/00	96.28	G 02 B	6/08
138-140	H 03 M	1/62	375	H 01 Q	3/22	801,802	H 01 Q	9/16	75	G 01 D	15/10	96.29	G 02 B	6/00
		1/84	376,377	H 01 Q	3/00	803,804	H 01 Q	9/26	76	G 01 D	15/10			6/02
		1/88	378-384	G 01 S	3/16	805	H 01 Q	9/44	77	G 01 D	15/02			6/16
141,142	H 03 M	1/00			3/28	806	H 01 Q	9/16	78-106	G 01 D	15/04	96 3	G 02 B	6/10
143	H 03 M	3/00	385	G 01 S	1/00	807,808	H 01 Q	9/28			15/20	96 31	G 02 B	6/18
144,145	H 03 M	1/66	386	G 01 S	1/08	809	H 01 Q	9/44	107-110	G 01 D	9/42	96 32	G 02 B	6/20
146	H 03 M	1/72	387-392	G 01 S	1/24	810	H 01 Q	21/00	111-133	G 01 D	15/16	96 33	G 02 B	6/22
147	H 03 M	1/66	393	G 01 S	1/22	811	H 01 Q	11/04	134	G 01 D	15/24	96 34	G 02 B	6/00
148	H 03 M	1/76	394-397	G 01 S	1/30	812-815	H 01 Q	21/12			15/26	97-99	G 02 B	5/12
149-151	H 03 M	1/66	398-406	G 01 S	1/44	816,817	H 01 Q	21/00	135.1	G 01 D	9/00	100	G 02 B	17/02
152	H 03 M	1/82	407	G 01 S	1/08	818	H 01 Q	19/10	136-138	G 01 D	15/24	101	G 02 B	5/12
153	H 03 M	1/80	408-413	G 01 S	1/16	819	H 01 Q	19/30			15/26	102	G 02 B	5/122
154	H 03 M	1/78			1/18	820-823	H 01 Q	9/16			15/34	103	G 02 B	5/124
155,156	H 03 M	1/12	414	G 01 S	1/14	824	H 01 Q	21/08	139,140	G 01 D	15/16	104	G 02 B	5/126
157	H 03 M	1/60	415	G 01 S	1/10	825	H 01 Q	9/04			15/18	105	G 02 B	5/128
158	H 03 M	1/34	416	G 01 S	1/12	826	H 01 Q	21/00	141,142	G 01 D	15/02	106	G 02 B	5/13
159,160	H 03 M	1/36	417	G 01 S	5/02	827	H 01 Q	21/10			15/04	107	G 02 B	5/132
161	H 03 M	1/38	418	G 01 S	3/52	828	H 01 Q	9/30	143	G 01 D	15/16	108	G 02 B	5/134
162-165	H 03 M	1/34			5/02	829,830	H 01 Q	9/38			15/18	109	G 02 B	5/136
166	H 03 M	1/50	419-424	G 01 S	5/02	831	H 01 Q	9/30	144,145	G 01 D	15/00	110	G 02 B	27/02
167	H 03 M	1/82	425	G 01 S	3/56	832	H 01 Q	19/10	146	G 01 D	9/00	111	G 02 B	5/30
168	H 03 M	1/50	426-430	G 01 S	5/02	833	H 01 Q	19/10	147	G 01 D	15/06	112	G 02 B	27/02
169	H 03 M	1/56	431	G 01 S	3/12	834	H 01 Q	19/10	150	G 01 D	3/00			17/04
170	H 03 M	1/58			5/02	835,836	H 01 Q	21/00	151	G 11 B	3/00			27/02
171,172	H 03 M	1/12	432-449	G 01 S	5/04	837-839	H 01 Q	19/10	152	G 01 D	15/14	113	G 02 B	17/06
173-176	G 08 C	19/12	450-465	G 01 S	3/02	840	H 01 Q	19/12	153.1-155	G 01 D	15/06			27/02
	H 04 L	17/02				841	H 01 Q	1/52	156	G 01 D	15/06	114-116	G 02 B	27/02
177-190	G 08 C	19/12	U.S. Class 343			842	H 01 Q	7/04	157	G 01 D	15/06	117-125	G 03 B	21/56
191	G 08 C	19/16	COMMUNICATIONS, RADIO WAVE			843	H 01 Q	11/00	158,159	G 01 D	15/06	126-129	G 03 B	21/60
	H 04 L	17/02	ANTENNAS			844	H 01 Q	21/00	160	G 01 D	15/14	130,131	G 02 B	21/22
192	H 04 L	25/42	700	H 01 Q		845-849	H 01 Q	1/48	161	G 01 D	15/06	132	G 02 B	21/22
200	H 03 M		701	H 01 Q	1/26	850	H 01 Q	1/50			15/06	133-136	G 02 B	21/26
899	H 03 M	1/00	702	H 01 Q	1/24	851	H 01 Q	1/52	162-164	G 01 D	15/08	137,138	G 02 B	21/24
		7/00	703	G 01 R		852	H 01 Q	1/50	165	G 01 D	15/06	139-144	G 02 B	21/22
U.S. Class 342			704	H 01 Q	1/02	853,855	H 01 Q	21/00				145	G 02 B	27/02
COMMUNICATIONS, DIRECTIVE RADIO			705,706	H 01 Q	1/28	856	H 01 Q	1/44	U.S. Class 350			146	G 02 B	25/00
WAVE SYSTEMS AND DEVICES (E.G.,			707	H 01 Q	1/30	857-864	H 01 Q	9/16	OPTICS, SYSTEMS AND ELEMENTS			162.11	G 02 B	5/18
RADAR, RADIO NAVIGATION ●			708	H 01 Q	1/28	865	H 01 Q	9/16	1.1	G 02 B	5/22	162.12-162.14	G 02 B	27/42
1-4	H 01 M	17/00	709,710	H 01 Q	1/34	866	H 01 Q	7/00	1.2	G 02 B	15/14			27/46
5-12	H 01 M	15/00	711-717	H 01 Q	1/32	867	H 01 Q	21/00	1.3	G 02 B	5/24	162.15	G 02 B	27/44
13-20	G 01 S	7/36	718	H 01 Q	1/12	868-870	H 01 Q	7/00	1.4	F 21 V	9/06	162.16	G 02 B	27/44
		7/42	719	H 01 Q	1/04	871	H 01 Q	7/02	1.5	G 02 B	5/24	162.17	G 02 B	5/18
	H 04 K	3/00	720	H 01 Q	1/00	872	H 01 Q	1/42	1.6	G 02 B	5/22	162.18	G 02 B	5/18
21-41	G 01 S	13/00	721	H 01 Q	1/06	873	H 01 Q	9/34	1.7	G 02 B	5/24	162.19	G 02 B	5/18
42-44	G 01 S	13/74	722	H 01 Q	1/00	874,875	H 01 Q	9/34	3.6-3.65	G 03 H	1/02	162.2-162.24	G 02 B	5/18
45,46	G 01 S	13/78	723	H 01 Q	11/12	876	H 01 Q	3/24	3.66	G 03 H	1/08	163	G 02 B	27/00
		15/74	724	H 01 Q	1/00	877,878	H 01 Q	1/12	3.67	G 03 H	1/08	164,165	G 02 B	1/10
47-51	G 01 S	13/08	725-728	H 01 Q	21/00	879	H 01 Q	21/00	3.68	G 03 H	1/10	166	G 02 B	5/28
52-103	G 01 S	13/00	729,730	H 01 Q	1/00	880,881	H 01 Q	1/08	3.7	G 03 H	5/32	167	G 02 B	27/00
104	G 01 S	13/08	731,732	H 01 Q	11/02	882	H 01 Q	3/02	3.71	G 02 B	26/10	168	G 02 B	5/04
105-117	G 01 S	13/58	733-736	H 01 Q	11/06	883	H 01 Q	1/10	3.72-3.74	G 02 B	5/32	169	G 02 B	27/10
118-146	G 01 S	13/08	737-740	H 01 Q	11/02	884	H 01 Q	1/22	3.75	G 03 H	1/28	170	G 02 B	27/12
147-159	G 01 S	13/00	741-744	H 01 Q	11/12	885	H 01 Q	1/50	3.76,3.77	G 03 H	1/30	171-174	G 02 B	27/14
160-164	G 01 S	13/52	745	H 01 Q	9/00	886	H 01 Q	1/14	3.78,3.79	G 03 H	1/02	235-241	G 02 B	27/02
165-174	G 01 S	7/40	746	H 01 Q	13/10	887,888	H 01 Q	1/12			1/28	242-257	G 02 B	7/02
175-205	G 01 S	13/00	747	H 01 Q	9/16	889	H 01 Q	1/10			1/30	258-262	G 02 B	17/00
350	G 01 S	1/00	748	H 01 Q	7/00	890-892	H 01 Q	1/12	3.8	G 03 H	1/02			27/00
		3/00	749-752	H 01 Q	9/00	893	H 01 Q	21/00	3.81	G 03 H	1/16	263	G 02 B	27/00
		5/00	753,754	H 01 Q	19/06	894	G 01 R		3.82	G 03 H	1/02	264,265	G 02 B	17/00
	H 04 B	7/00	755	H 01 Q	19/10	895-899	H 01 Q	9/30	3.83-3.86	G 03 H	1/22	266-275	G 02 B	26/02
351	G 01 S	3/02	756	H 01 Q	19/00	901-903	H 01 Q	1/10	4.1,4.2	G 02 B	23/00	276	G 02 B	27/00
352-355	H 04 B	7/185	757,758	H 01 Q	3/00	904,905	H 01 Q	1/00	6.1-6.91	G 02 B	26/08	277-284	G 02 B	17/00
356	H 04 B	7/19	759	H 01 Q	3/10	906	H 01 Q	1/50	96.1	G 02 B	6/00	286	G 02 B	5/04
357	G 01 S	5/02	760	H 01 Q	3/00	907	H 01 Q	1/00			6/14	287	G 02 B	7/18
	H 04 B	7/185	761	H 01 Q	3/12	908	H 01 Q	1/36	96.11	G 02 B	6/12	311	G 02 B	5/20
358	H 04 B	7/185	762-766	H 01 Q	3/00	909,910	H 01 Q	15/02	96.12-96.14	G 02 B	6/10	312	G 02 B	5/24
359,360	H 01 Q	3/00	767,768	H 01 Q	13/10			15/24	96.15	G 02 B	6/26	313-317	G 02 B	5/22
361-366	H 01 Q	21/06	769	H 01 Q	13/12	911	H 01 Q	15/08			6/42	318	G 02 B	7/00
		21/24	770,771	H 01 Q	13/10	912-914	H 01 Q	15/14	96.16	G 02 B	6/28	319	G 02 B	5/00
	H 04 B	7/10	772-786	H 01 Q	13/00	915	H 01 Q	15/20	96.17	G 02 B	6/30			27/00
367	H 04 B	7/00	787	H 01 Q	1/00	916	H 01 Q	15/14	96.18	G 02 B	6/32	320,321	G 02 B	
			788	H 01 Q	7/08									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	
U.S. Class 350—Con.			384-390	G 02 B G 02 F	5/30 1/03	456 457	G 02 B G 02 B	9/34 9/00			15/02 23/00	51,52 53	G 02 C G 02 C	11/02 7/00	
322	G 03 F	5/00			1/05	458-462	G 02 B	13/04	560	G 02 B	7/02	54,55	G 02 C	7/06	
330-352	G 02 F	1/13			1/17	463	G 02 B	9/00			15/14	56	G 02 C	3/04	
353	G 02 F	1/01			1/19	464	G 02 B	9/62			23/00	57,58	G 02 C	7/08	
354	G 02 B	5/23			1/21	465-468	G 02 B	9/60	561	G 02 B	23/00	59	G 02 C	9/02	
	G 02 F	1/01			1/23	469	G 02 B	9/34	562	G 02 B	23/00	60	G 02 C	1/00	
355	G 02 F	1/01			1/25	470,471	G 02 B	9/36			27/32	61	G 02 C	7/02	
356	G 02 F	1/03			1/29	472,473	G 02 B	9/34	563,564	G 02 B	7/02	62	G 02 C	11/08	
		1/05			1/31	474	G 02 B	9/12			23/00	63,64	G 02 C	5/08	
		1/07			1/35	475,476	G 02 B	9/14	565	G 02 B	7/02	65-89	G 02 C	1/00	
		1/09			1/37	477,478	G 02 B	9/12			23/00	90-102	G 02 C	1/08	
357	G 02 F	1/01			1/39	479	G 02 B	9/04			27/32	103-109	G 02 C	1/04	
358	G 02 F	1/11			2/00	480	G 02 B	9/06	566	G 02 B	23/00	110	G 02 C	1/02	
		1/33			2/02	481	G 02 B	9/04			27/32	111,112	G 02 C	5/14	
359	G 02 B	26/00	391	G 02 B	5/30	482	G 02 B	3/00	567,568	G 02 B	23/16	113,114	G 02 C	5/16	
	G 02 F	1/00		G 02 F	1/03			11/00	569	G 02 B	23/02	115	G 02 C	5/20	
360-362	G 02 B	26/00			1/05	483	G 02 B	3/00	570	G 02 B	7/02	116	G 02 C	5/14	
363	G 02 F	1/00			1/07			11/06			15/14	117	G 02 C	5/18	
370	G 02 B	5/30			1/17			11/20	571	G 02 B	27/00	118	G 02 C	5/20	
		27/28			1/19			11/30	572,573	G 02 B	23/00	119-123	G 02 C	5/14	
371	G 02 B	5/30			1/21			11/32			27/00	124	G 02 C	5/02	
	G 02 F	1/01			1/23			11/34	574	G 02 B	7/00	125	G 02 C	5/10	
		1/11			1/25	484-487	G 02 B	26/08	575	G 02 B	7/00	126	G 02 C	5/06	
		1/17			1/29	500	G 02 B	27/64			25/04	127	G 02 C	5/08	
		1/19			1/31	501	G 02 B	23/00	576	G 02 B	21/36	128	G 02 C	5/04	
		1/21			1/35			27/00			27/32	129-135	G 02 C	5/02	
		1/23			1/37	502	G 02 B	21/36	577	G 02 B	7/00	136-139	G 02 C	5/12	
		1/25			1/39			23/00	578,579	G 02 B	23/16	140-152	G 02 C	5/00	
		1/29			2/00	503-505	G 02 B	17/00	580,581	G 02 B		153	G 02 C	5/22	
		1/33			2/02			21/00			G 03 B	11/04	154	G 02 C	5/00
		1/35	392,393	G 02 B	5/30			23/06	582-584	G 02 B		155-157	G 02 C	3/00	
		1/37		G 02 F	1/03		A 61 B	1/00	585	B 65 D	85/38	158	G 02 C	1/00	
		1/39			1/05		G 02 B	23/00	586	G 02 B		159	G 02 C	7/02	
		2/00			1/17	507	G 02 B	21/00	587	G 02 B		160-162	G 02 C	7/04	
		2/02			1/19	508	G 02 B	21/36			G 03 B	11/04	163-165	G 02 C	7/10
372	G 02 B	5/30			1/21	509,510	G 02 B	21/06	588-590	G 02 B		166,167	G 02 C	7/02	
	G 02 F	1/01			1/23	511-513	G 02 B	21/18	600	G 02 B	5/08	168-172	G 02 C	7/06	
		1/11			1/25	514	G 02 B	21/20	601	G 02 B	5/08	173-177	G 02 C	7/02	
		1/17			1/29	515,516	G 02 B	21/22			5/26	178	G 02 C	13/00	
		1/19			1/31	517	G 02 B	21/22			27/14	200	A 61 B	3/00	
		1/21			1/35			27/22	602	G 02 B	5/08	201,202	A 61 B	3/08	
		1/23			1/37	518	G 02 B	7/02			27/14	203	A 61 B	3/00	
		1/25			1/39			21/00	603	G 02 B	5/08	204,205	A 61 B	3/10	
373	G 02 B	5/30			2/00	519	G 02 B	7/02	604-606	G 02 B	5/08	206-210	A 61 B	3/14	
	G 02 F	1/01	394-407	G 02 B	5/30			15/14			5/08	211-218	A 61 B	3/10	
		1/11			27/28	520	G 02 B	7/02	607,608	G 02 B	5/10	219	A 61 B	3/00	
		1/17	408	G 02 B	5/30			15/02			7/18	220,221	A 61 B	3/10	
		1/19			27/28			21/00	609-613	G 02 B	5/08	222-226	A 61 B	3/02	
		1/21		G 02 F	1/23	521,522	G 02 B	21/24	614	G 02 B	5/10	227-231	A 61 B	3/04	
		1/23			1/25	523-528	G 02 B	21/06	615-617	G 02 B	5/08	232-244	A 61 B	3/02	
		1/25	409-413	G 02 B	3/00	529-532	G 02 B	21/26			7/18	245-247	A 61 B	3/00	
		1/29			9/00			21/32	618	G 02 B	5/08				
		1/33	414	G 02 B	21/02	533	G 02 B	21/28	619,620	G 02 B	5/10	U.S. Class 352			
		1/35	415,416	G 02 B	3/00			21/30	621,622	G 02 B	5/08	OPTICS, MOTION PICTURES			
		1/37			9/00	534,535	G 02 B	21/34	623	G 02 B	5/08				
		1/39	417	B 29 D	11/00	536	G 01 N	21/01			7/18	1-18	G 03 B	31/00	
		2/00	418,419	G 02 B	1/06		G 02 B	21/34	624	G 02 B	5/10	19	G 03 B	19/26	
		2/02			3/12	537,538	G 02 B	23/00			7/18				
374	G 02 B	5/30	420	G 02 B	13/08	539	G 02 B	23/02	625	G 02 B	5/10	20-25	G 03 B	31/00	
375	G 02 B	5/30	421	G 02 B	13/10	540	G 02 B	23/08	626	G 02 B	5/08	26-30	G 03 B	31/02	
	G 02 F	1/29	422	G 02 B	15/02			23/22			7/18	31-33	G 03 B	31/04	
376-378	G 02 B	1/31	423-430	G 02 B	15/00	541-544	G 02 B	23/08	627	G 02 B	5/08	34-37	G 03 B	31/00	
	G 02 F	5/30	431	G 02 B	13/20			23/16	628-630	G 02 B	5/10	38,39	G 03 B	19/18	
		1/09	432	B 29 D	11/00	545	G 02 B	23/00	631-640	G 02 B	7/18			21/32	
		1/17	433,434	G 02 B	3/04	546	G 02 B	23/18	641	G 02 B	5/08	40-43	G 03 B	21/32	
		1/19	435	G 02 B	3/04	547	G 02 B	23/16			7/18	44-55	G 03 B	19/18	
		1/21			13/18	548	G 02 B	7/02	642	G 02 B	5/08	56	G 03 B	11/00	
		1/23	436	G 02 B	3/00			23/00			5/26	57-59	G 03 B	35/00	
		1/25			13/18	549-551	G 02 B	7/09				60,61	G 03 B	35/08	
		1/29	437	G 02 B	3/10			7/28						35/18	
		1/31	438	G 02 B	3/00			23/00				62-65	G 01 B	35/02	
		1/35			13/14	552	G 02 B	7/02	U.S. Class 351					35/16	
		1/37	439	G 02 B	3/00			23/00	OPTICS, EYE EXAMINING, VISION			66,67	G 03 B	33/00	
		1/39			5/20	553	G 02 B	7/09	TESTING AND CORRECTING			68	G 03 B	41/00	
		2/00	440	G 02 B	13/00			7/28				69	G 03 B	37/00	
		2/02	441	G 02 B	13/06			23/00	41	G 02 C	13/00	70,71	G 03 B	37/04	
379	G 02 B	5/30	442-447	G 02 B	17/00	554,555	G 02 B	7/02	42	G 02 C		72-78	G 03 B	23/02	
380,381	G 02 F	1/00	448-450	G 02 B	9/00			23/00	43	G 02 C	1/00	79-84	G 03 B	41/00	
	G 02 B	5/30			9/08	556	G 02 B	7/06	44	G 02 C	7/10	85-88	G 03 B	21/32	
	G 02 F	1/29	451	G 02 B	3/00			7/09	45,46	G 02 C	7/16	89	A 63 J	5/00	
382	G 02 B	5/30	452	G 02 B	3/08			7/28	47,48	G 02 C	9/00	90	G 03 B	21/32	
	G 02 F	1/31	453	G 02 B	3/00			23/00	49	G 02 C	7/12	91	G 03 B	21/36	
383	G 02 B	5/30	454	G 02 B	9/00	557,558	G 02 B	23/00	50	G 02 C	7/14	92	G 03 B	21/50	
	G 02 F	1/29	455	G 02 B	9/60	559	G 02 B	7/02							

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 352—Con.																	
93,94	G 03 B	19/18	34-36	G 03 B	21/26			19/00	233-236	G 03 B	9/08	465-468	G 03 B	17/18			
95	G 03 B	19/18	37	G 03 B	21/26	6	B 41 B	19/00	237-239	G 03 B	9/64	469,470	G 03 B	7/04			
		21/00	38	G 03 B	21/14	7	G 03 B	19/00	240	G 03 B	17/38	471-475	G 03 B	17/18			
96	G 03 B	21/06	39	G 02 B	21/36			17/00	241	G 03 B	9/28	476-483	G 03 B	7/099			
97	G 03 B	19/24	40-42	G 03 B	21/00	8	G 03 B	15/00	242	G 03 B	9/32	484	G 03 B	7/26			
		21/02	43	G 03 B	29/00			21/40	243,244	G 03 B	9/34	485,486	G 03 B	7/00			
98-103	G 03 B	25/00	44-46	G 03 B	21/00	9	B 41 B	21/32	245	G 03 B	9/36						
104	G 03 B	21/10	47	G 03 B	21/22			23/00	246,247	G 03 B	9/40						
105,106	G 03 B	41/02	48,49	G 03 B	21/14	10	G 03 C	1/00	248,249	G 03 B	9/38	U.S. Class 355					
107,108	G 03 B	41/06	50,51	G 03 B	21/28			21/32	250	G 03 B	9/10	PHOTOCOPYING					
109-112	G 03 B	41/10	52	G 03 B	21/16			23/00	251	G 03 B	9/06						
113-120	G 03 B	41/04	53-59	G 03 B	21/18	11	B 41 B	17/36	252	G 03 B	9/08						
121,122	G 03 B	17/46			21/26			17/38	253	G 03 B	9/26	1	G 03 B	27/00			
123	G 03 B	21/04	60,61	G 03 B	21/16	12	B 41 B	17/00	254,255	G 03 B	9/10	2	G 03 B	27/00			
124,125	G 03 B	23/00			21/18			15/00	256-260	G 03 B	9/20						
126-129	G 03 B	21/00			21/28			17/00	261-265	G 03 B	17/38	18	G 03 B	27/00			
130	G 03 C	11/00	62	G 03 B	21/00			15/02	266-269	G 03 B	17/26	19	G 03 B	27/00			
131,132	G 03 B	29/00	63	G 03 B	21/08	13	B 41 B	17/04	270-274	G 03 B	17/00						
133-138	G 03 B	19/18	64	G 03 B	21/08			15/16	275-285	G 03 B	11/04						
		21/32			21/28	14	G 03 B	17/04	286	G 03 B	17/02	20	G 03 B	27/72			
139,140	G 03 B	3/00	65	G 03 B	21/06			17/06	287	G 03 B	17/00						
141	G 03 B	7/08	66	G 03 B	21/06	15,16	G 03 B	17/00	288	G 03 B	15/06	21	G 03 B	27/52			
142	G 03 B	3/00			21/28			17/06	289,1-289.12	G 03 B	15/00	22	G 03 B	27/32			
143-145	G 03 B	21/18	67	G 03 B	21/06			17/10	291,292	G 03 B	17/00						
146-148	G 03 B	21/16			21/22	17	B 41 B	17/00	293,294	G 03 B	11/00	23-27	G 03 B	27/32			
149-155	G 03 B	21/18			21/28			17/08	295,296	G 03 B	13/00						
156	G 03 B	1/00	68	G 03 B	21/00	18,19	G 03 B	17/20	297-299	G 03 B	7/00	28,29	G 03 B	29/00			
157	G 03 B	1/56			23/00			17/18	300	G 03 B	9/00	30	G 03 B	27/52			
158	G 03 B	1/58	69,70	G 03 B	21/00	20	G 03 B	41/00	301	G 03 B	3/00	31	G 03 B	27/32			
159	G 03 B	1/56			21/14	21	G 03 B	7/00	302	G 03 B	9/00	32	G 03 B	27/32			
160-165	G 03 B	21/46	71	G 03 B	21/22	62	G 03 B	29/00	303	G 03 B	9/02						
166-168	G 03 B	1/00	72	G 03 B	21/30	63	G 03 B	37/00	304	G 03 B	9/00	33	G 03 B	27/52			
169	G 03 B	21/38	73	G 03 B	21/28	64	G 03 B	17/08	305	G 03 B	11/00						
170-172	G 03 B	1/60			21/30	65-74	G 03 B	39/00	306	G 03 B	17/00						
173-179	G 03 B	1/00	74-76	G 03 B	21/22	75-78	G 03 B	29/00	307-309	G 03 B	13/06	34	G 03 B	27/46			
180-182	G 03 B	21/48	77,78	G 03 B	21/22	79	G 03 B	17/48	310	G 03 B	17/00						
183,184	G 03 B	1/00			21/28	80-82	G 03 B	29/00	311-316	G 03 B	5/00	35,36	G 03 B	27/72			
185	G 03 B	1/34	79,80	G 03 B	21/14	83-93	G 03 B	17/50	317,318	G 03 B	3/08	37	G 03 B	27/54			
186-190	G 03 B	1/24	81	G 03 B	21/28	94-99	G 03 B	37/00	319-323	G 03 B	3/02						
191-196	G 03 B	1/22	82-84	G 03 B	21/14	100-102	G 03 B	33/00	324-327	G 03 B	3/04	38	G 03 B	27/80			
197	G 03 B	1/00	85-87	G 03 B	21/20	103,104	G 03 B	33/10	328-330	G 03 B	13/02	39	G 03 B	27/32			
198-203	G 03 B	21/00	88-91	G 03 B	21/14	105-109	G 03 B	17/24	331-338	G 03 B	13/08						
		21/20	92	G 03 B	21/14	110-112	G 03 B	35/00	339,340	G 03 B	13/14	40-42	G 03 B	27/52			
204-206	G 03 B	9/08			23/04	113-117	G 03 B	35/08	341-344	G 03 B	13/10	43	G 03 B	27/52			
207	G 03 B	9/28	93	G 03 B	21/14	118,119	G 03 B	41/00	345-347	G 03 B	15/00						
		9/36			23/18	120-125	G 03 B	1/00	348-353	G 03 B	19/00	44	G 03 B	13/24			
208-220	G 03 B	9/10	94	G 03 B	21/26	126-129	G 03 B	15/02	354	G 03 B	3/00						
221	G 03 B	1/48	95,96	G 03 B	1/48	130	G 03 B	15/04	400-409	G 03 B	13/18	45	G 03 B	13/28			
222	G 03 B	1/52			1/50	131-144	G 03 B	15/03	410-412	G 03 B	7/00	46	G 03 B	27/44			
223-231	G 03 B	1/48			1/52	145,1	G 03 B		413	G 03 B	7/00	47	G 03 B	27/58			
232-241	G 03 C	1/76	97	G 03 B	21/14	146-149.11	G 03 B	15/03			15/03						
242	G 03 B	17/02	98,99	G 03 B	21/28	150	G 03 B	15/00	414-418	G 03 B	7/00	48	G 03 B	27/48			
		21/14	100	G 03 B	21/14	151	G 03 B	19/14			15/05						
243	G 03 B	17/00	101	G 03 B	3/00	152-158	G 03 B	19/12	419,420	G 03 B	7/00	49	G 03 B	27/48			
		21/00			21/14	159,160	G 03 B	17/02			15/03						
244	G 03 B		102	G 03 B	21/20	161	G 03 B	17/44	421	G 03 B	7/16						
	G 03 C		103,104	G 03 B	23/00	162-169	G 03 B	13/20	422,423	G 03 B	7/00	50	G 03 B	27/48			
			105,106	G 03 B	23/02	170-173.11	G 03 B	1/18			15/03						
					23/04	174-185	G 03 B	19/10	424	H 05 B	41/00	51	G 03 B	27/50			
			107	G 03 B	23/06	187,188	G 03 B	17/04	425	G 03 B	7/08						
			108	G 03 B	23/10	189	G 03 B	5/06	426	G 03 B	7/091						
			109	G 03 B	23/08	190	G 03 B	5/02	427-440	G 03 B	7/08	52	G 03 B	27/68			
			110	G 03 B	23/10	191-194	G 03 B	17/04	441-445	G 03 B	7/08	53	G 03 B	27/42			
			111-113	G 03 B	23/02	195.1-195.13	G 03 B	1/18			7/087	54	G 03 B	27/44			
1-3	G 03 B	21/00	114	G 03 B	23/14	199-201	G 03 B	3/00			7/097	55	G 03 B	27/52			
4	G 03 B	23/08	115,116	G 03 B	23/04	202,203	G 03 B	17/00	446	G 03 B	7/08	56	G 03 B	27/34			
5-14	G 03 B	21/00	117	G 03 B	23/06	204-206	G 03 B	17/42	447	G 03 B	7/12						
15,16	G 03 B	31/00	118	G 03 B	23/00	207-209	G 03 B	19/02	448-450	G 03 B	7/08	57	G 03 B	27/40			
17	G 03 B	21/30	119	G 03 B	21/14	210	G 03 B	19/06			7/085						
		31/00			21/22	211	G 03 B	17/22			7/095						
18	G 03 B	21/22	120-122	G 03 B	21/00	212-216	G 03 B	1/00	451,452	G 03 B	7/095	58,59	G 03 B	27/70			
		31/00				217	G 03 B	17/36			7/10						
19	G 03 B	31/06				218	G 03 B	1/60	453-455	G 03 B	7/08	60	G 03 B	27/70			
20	G 03 B	21/14				219,220	G 03 B	13/02			7/085	61-63	G 03 B	27/52			
21	G 03 B	21/00	U.S. Class 354						221	G 03 B	13/14	64	G 03 B	27/32			
22	G 03 B	21/14	PHOTOGRAPHY						222	G 03 B	13/10						
23,24	G 03 B	1/48				223	G 03 B	13/02	456,457	G 03 B	7/08						
		21/14				224,225	G 03 B	13/08			7/083	65,66	G 03 B	27/52			
25	G 03 B	23/02	1	G 03 B	41/00	226	G 03 B	9/08	458	G 03 B	7/093	67	G 03 B	27/54			
		23/04	2	G 03 B	7/00	227.1	G 02 F	1/00	459	G 03 B	7/083	68	G 03 B	27/74			
		23/06	3	G 03 B		228	G 03 B	9/00	460	G 03 B	7/089	69	G 03 B	27/72			
26	G 03 B	23/12	4	G 03 B	41/00	229	G 03 B	9/04	461	G 03 B	7/08	70	G 03 B	27/54			
27	G 03 B	23/08	5	B 41 B	13/00	230	G 03 B	9/08	462	G 03 B	7/12	71	G 03 B	27/72			
28-30	G 03 B	21/26			15/00	231,232	G 03 B	9/00	463,464	G 03 B	7/08	72	G 03 B	27/58			
31-33	G 03 B	21/00			17/00												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 355—Con.														
73	G 03 B	27/60	271-273	G 03 G	15/14	140,141	G 01 B	11/26	364-370	G 01 J	4/00	236	H 01 L	29/78
74	G 03 B	27/58	274,275	G 03 G	15/16	142,143	G 01 C	1/00	371	G 01 B	11/30			29/68
75	G 03 B	27/62	276,277	G 03 G	15/14	144-147	G 01 C	1/06	372	G 01 B	11/00			29/78
76	G 03 B	27/62	278	G 03 G	8/00	148,149	G 01 C	1/10	373-375	G 01 B	11/14			29/92
					15/14	150,151	G 01 B	1/00	376,377	G 01 B	11/24	237	H 01 L	27/01
			279	G 03 G	15/12		G 01 C	21/06	378	G 01 B	11/22			27/13
77	G 03 B	27/32			15/14	152	G 01 B	11/26	379,380	G 01 B	11/28			29/78
78,79	G 03 B	27/02	280,281	G 03 G	15/14		G 01 C	1/00	381,382	G 01 B	11/06	238	H 01 L	29/68
80	G 03 B	27/72	282	G 03 G	15/20	153	G 01 B	11/26	383	G 01 B	11/02			29/78
81	G 03 B	27/80	283	G 03 G	15/20	154	G 01 B	11/26	384	G 01 B	11/02	239	H 01 L	29/06
82	G 03 B	27/04			15/22		G 01 C	1/00			11/08			29/78
83	G 03 B	27/80	284	G 03 G	15/20	155	G 01 B	11/26	385	G 01 B	11/04	24	H 01 L	29/78
84	G 03 B	27/10			21/00	213	G 01 J	1/00			11/10	25	H 01 L	29/66
85,86	G 03 B	27/04	285-295	G 03 G	15/20	214	G 01 J	1/60	386	G 01 B	11/10			29/96
87	G 03 B	27/20	296-325	G 03 G	21/00	215	G 01 J	1/46	387	G 01 B	11/02	26	H 01 L	29/24
88,89	G 03 B	27/04	326-328	G 03 G	15/01	216	G 01 J	1/56	388-390	G 01 B	11/08			29/96
90	G 03 B	27/08				217	G 01 J	1/34	391-393	G 01 B	9/00	27	H 01 L	27/22
91-94	G 03 B	27/20						1/36	394-401	G 01 B	11/00			29/82
95	G 03 B	27/04				218-225	G 01 J	1/42	402,403	G 01 J	3/46			29/96
96	G 03 B	27/06				226	G 01 J	1/44	404	G 01 J	3/40	28	H 01 L	43/00
97	G 03 B	27/04				227,228	G 01 J	1/42	405-409	G 01 N	21/25			23/58
98	G 03 B	27/08				229	G 01 J	1/10	410,411	G 01 N	21/85	29	G 01 T	29/66
99	G 03 B	27/04				230-232	G 01 J	1/12	412-420	G 01 N	21/25			1/24
100	G 03 B	27/30	1	G 01 C	3/00	233-235	G 01 J	1/40	421-424	G 01 J	3/52			27/14
101	G 03 B	27/04	2	G 01 C	11/12	236	G 01 J	1/04	425	G 01 J	3/46	30	H 01 L	31/00
102	G 03 B	27/06	3	G 01 C	3/00	237-242	G 01 N	21/00	426	G 01 N	21/84			27/14
103	G 03 B	27/10			5/00	243	G 01 J	1/02	427,428	G 01 N	21/90	31	H 01 L	31/00
104	G 03 B	27/22	4	G 01 C	3/08	244	G 01 N	21/01	429-431	G 01 N	21/84			27/14
105	G 03 B	27/10	4.5	G 01 C	3/00	245	G 01 N	21/01	432-444	G 01 N	21/00			31/00
106,107	G 03 B	27/30	5	G 01 C	3/08			33/36	445	G 01 N	21/55	32	H 01 L	31/14
108	G 03 B	27/10	6	G 01 C	25/00	246	G 01 N	1/10	446	G 01 N	21/47			27/14
109	G 03 B	27/12	7	G 01 C	3/02	247	G 01 C	9/02	447,448	G 01 N	21/55	33	H 01 L	31/00
110,111	G 03 B	27/10	8	G 01 C	3/04			9/12				34-36	H 01 L	29/00
112	G 03 B	27/14	9	G 01 C	3/10			9/16				37	H 01 L	29/72
113,114	G 03 B	27/04	10	G 01 C	3/02			9/18				38	H 01 L	29/74
115	G 03 B	27/72	11	G 01 C	3/20		G 02 B	27/32				39	H 01 L	29/747
116	G 03 B	27/04	12-14	G 01 C	3/14	248	G 01 C	9/02				40-44	H 01 L	27/02
117	G 03 B	27/22	15	G 01 C	3/24			9/12				45	H 01 L	27/15
118	G 03 B	27/04	16,17	G 01 C	3/12			9/16						27/02
119	G 03 B	27/16	18	G 01 C	3/02	249	G 01 C	9/18				46,47	H 01 L	27/04
120-124	G 03 B	27/04	19	G 01 C	3/12	250	G 01 C	9/12				48	H 01 L	27/12
125,126	G 03 B	27/28	20	G 01 C	3/10			9/16				49	H 01 L	27/04
127-131	G 03 B	27/02			3/22	251,252	G 02 B	23/10				50	H 01 L	27/12
132	G 03 B	27/02			3/24	253-256	G 02 B	27/32				51	H 01 L	27/02
133	G 03 B	27/02			3/26	300	G 01 J	3/00				52	H 01 L	29/34
134	G 03 B	27/02			5/00	301	G 01 J	3/44				53	H 01 L	29/40
135	G 03 G	15/00			5/02	302-305	G 01 J	3/40				54	H 01 L	29/34
136	G 03 G	21/00			3/22	306	G 01 J	3/30				55,56	H 01 L	29/06
137	G 03 G	15/00			3/26	307	G 01 J	3/36				57	H 01 L	29/66
138	G 03 G	15/30			5/02	308	G 01 J	3/06				58	H 01 L	29/12
139	G 03 G	5/00			3/40	309	G 01 J	3/06				59,60	H 01 L	29/04
			21,22	G 01 C				3/42				61	H 01 L	29/161
			23-26	G 01 P	3/36			3/427						29/20
			27-29	G 01 P	21/00			3/04						29/22
212,213	G 03 G	5/00	30,31	G 01 N	11/16	310	G 01 J	3/30						29/90
214-216	G 03 G	21/00	32	G 01 B	11/18	311	G 01 J	3/443						29/92
217	G 03 G	15/044	33-35	G 01 B	1/00	312-318	G 01 J	3/30				62	H 01 L	29/167
		15/18	35.5	G 01 L	1/24	319	G 01 J	3/42				63,64	H 01 L	29/207
218	G 03 G	21/00	36,37	G 01 N	1/00			3/427						29/227
219	G 03 G	15/02	38	G 01 N	33/48	320,321	G 01 J	3/42						29/40
220	G 03 G	15/24			5/48	322	G 01 J	3/447				67	H 01 L	23/48
221-227	G 03 G	15/04	39-42	G 01 N	5/60	323	G 01 J	3/42						29/46
228,229	G 03 G	21/00	43,44	G 01 J	5/52			3/433				17	H 01 L	29/62
230,231	G 03 G	15/04	45	G 01 J	5/56	324,325	G 01 J	3/42				19	H 01 L	29/64
232	G 03 G	15/28	46	G 01 J	5/62	326	G 01 J	3/28				20	H 01 L	29/06
233-236	G 03 G	15/04	47	G 01 J	5/54	327	G 01 J	3/28				21	H 01 L	29/74
237,238	G 03 G	15/048	48	G 01 J	5/56			3/447				22	H 01 L	29/80
239	G 03 G	15/32	49	G 01 J	5/54	328-330	G 01 J	3/28				23.1	H 01 L	27/01
		15/04	50	G 01 J	43/00	331-333	G 01 J	3/18						29/00
240	G 03 G	15/26	51	G 01 J	33/08	334	G 01 J	15/02				23.11	H 01 L	29/06
241	G 03 G	15/04	52-68	A 01 K	11/24	335,336	G 01 N	21/00						29/78
242-244	G 03 G	15/06	69	G 01 B	11/30	337-344	G 01 B	9/02				23.12	H 01 L	29/78
245	G 03 G	21/00			33/28	345	G 01 B	9/02						29/86
246	G 03 G	15/08	70	G 01 N	9/74	346	G 01 B	3/45				23.13	H 01 L	29/06
247-250	G 03 G	15/10	71	G 06 K	21/00			9/021						29/78
251-253	G 03 G	15/10	72-73.1	G 01 N	9/00	347,348	G 01 B	9/02				23.14,23.15	H 01 L	29/20
254	G 03 G	15/06	74	G 01 J	11/00	349-354	G 01 B	11/02				23.2	H 01 L	29/22
255,256	G 03 G	15/10	75-127	G 01 B	21/41	355-358	G 01 B	21/41						29/78
257	G 03 G	15/24	128-137	G 01 N	11/26	359,360	G 01 B	21/43				23.3,23.4	H 01 L	29/10
		21/00	138	G 01 B	1/00	361	G 01 N	11/00						29/78
		15/06	139	G 01 C	1/06	362	G 01 N					23.5	H 01 L	29/68
270	G 03 G	15/06				363	G 01 B							23/44

CONCORDANCE 1990—United States to International Patent Classification

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CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 361—Con.			138	H 01 T	4/00	188	H 01 H	47/32		H 02 H				1/16
			139-141	H 01 H	47/00	189	H 01 H	9/00		H 05 F	3/00			4/34
35,36	H 02 H	7/04	142	H 01 H	47/00			47/00	226	H 01 G				5/36
37	H 02 H	5/04			47/24	190	H 01 H	47/00		H 01 H		273	H 01 G	1/017
		5/06			47/26			47/18		H 02 B				4/24
		7/04			50/12			47/32		H 02 H		274	H 01 G	1/08
38-41	H 02 H	7/04	143,144	H 01 H	47/00	191	H 01 H	47/00		H 05 B				1/11
42	H 02 H	3/00	145	H 01 F	13/00	192	H 01 H	9/00		H 05 F				5/34
		9/08		H 01 H	47/00			47/00	227	H 05 B		275	H 01 G	1/11
43	H 02 H	9/08	146	H 01 H	47/00			47/18		H 05 F	3/00			1/13
44-46	H 02 H	3/16			47/28	193	H 01 H	47/00	228	H 05 B				1/16
		3/26	147	H 01 H	47/28			47/28	229	H 01 H	47/32	276	H 01 G	1/08
		3/32	148-151	H 01 F	13/00	194	H 01 H	9/00		H 05 B		277	H 01 G	5/00
47-50	H 02 H	3/00		H 01 H	47/00			47/00		H 05 F	3/00			7/00
		9/08	152	H 01 H	9/00	195	H 01 H	47/00	230	H 01 T	23/00	278	H 01 G	5/01
51	H 02 H	3/00			47/28			47/00	231	H 01 G		279	H 01 G	5/02
		7/00			47/32			47/18		H 01 H		280	H 01 G	7/00
52-54	H 02 H	9/00	153	H 01 H	47/28			51/30		H 01 T	23/00	281	H 01 G	7/00
55	H 02 H	3/00			47/32	196-198	H 01 H	47/18		H 02 B				7/06
		7/00	154	H 01 H	9/00			47/32		H 02 H		282	H 01 G	7/00
		9/00			47/00	199	H 01 H	47/00		H 05 B				7/04
56-58	H 02 H	9/00			47/32			47/18		H 05 F	3/00	283	H 01 G	7/00
59	H 02 H	3/00			51/30			47/28	232	H 01 G		284	H 01 G	5/28
		5/00	155,156	H 01 H	47/00			51/30		H 01 H		285	H 01 G	5/20
60	H 02 H	3/26			47/32	200	H 01 H	47/18		H 01 T	23/00	286	H 01 G	5/20
		3/28		H 01 H	47/00	201	H 01 H	47/00		H 02 B				5/28
		3/32	157	H 01 H	47/26			47/18		H 02 H		287	H 01 G	5/00
		5/00	158	H 01 H	50/12	202	H 01 H	9/00		H 05 F		288	H 01 G	5/01
61	H 02 H	3/00	159	H 01 H	47/00			47/00	233	H 01 G		289	H 01 G	5/00
		5/00			47/32			47/18		H 01 H		290	H 01 G	5/16
62-66	H 02 H	3/00	160	H 01 H	9/00	203	H 01 H	47/12		H 01 T	23/00	291	H 01 G	5/18
		7/00			47/00	204	H 01 H	47/34		H 02 B		292	H 01 G	5/04
67-70	H 02 H	3/00			51/22	205	H 01 H	47/26		H 02 H		293	H 01 G	5/06
		7/26			51/30			50/12		H 05 B		294,295	H 01 G	5/12
71-75	H 02 H	3/00	161	H 01 H	47/26	206	H 01 H	9/00		H 05 F	3/00			5/14
		5/00			50/12			47/00	234	H 01 G		296	H 01 G	5/14
76,77	H 02 H	3/26	162	H 01 H	47/00			47/04		H 01 H		297	H 01 G	5/10
		3/38			47/26	207	H 01 G			H 01 T	23/00			5/12
78-81	H 02 H	3/18			50/12		H 01 H	47/00		H 02 B				5/18
		3/26	163	H 01 H	9/00			59/00		H 02 H		298	H 01 G	5/06
		3/42			47/00		H 02 B			H 05 F		299	H 01 G	5/06
83,83	H 02 H	3/14			47/18		H 02 H		235	H 01 G				5/38
		3/20			47/26		H 05 F			H 01 H		300	H 01 G	5/36
		3/24			50/12	208	H 01 H	47/00		H 01 T	23/00	301	H 01 G	4/00
90	H 02 H	3/38	164	H 01 H	47/18			47/04		H 02 B		302	H 01 G	4/42
		3/20			47/26			47/18		H 02 H		303	H 01 G	1/005
		3/24			50/12			51/22		H 05 B				1/01
91	H 02 H	3/20	165	H 01 H	47/26	209	H 01 H	47/00		H 05 F	3/00			1/013
		9/04			47/32			51/30	236	H 01 H	47/00	304	H 01 G	1/015
92	H 02 H	3/24			50/12	210	H 01 H	47/00			47/18	305	H 01 G	1/01
93-98	H 02 H	3/00	166	H 01 H	47/00	211	H 01 H	47/26			47/26	306,307	H 01 G	1/14
		7/00			47/14			50/12			47/32	308	H 01 G	1/13
		9/02	167	H 01 H	47/00	212	H 01 G			H 02 P				1/147
99	H 02 H	3/00			47/32		H 01 H		237-241	H 02 P		309,310	H 01 G	1/14
		5/04	168,1	H 01 H	47/14		H 02 B		242	H 01 H	47/32	311	H 01 G	4/06
		7/00	169,1	H 01 H	47/14		H 02 H	1/00		H 02 P		312	H 01 G	4/20
100-102	H 02 H	3/00			47/28			1/04	243	H 01 H	47/00	313	H 01 G	4/06
		7/00	170	H 01 H	47/00			3/22		H 02 P				4/20
		9/02			47/28			3/00	244-246	H 02 P		314-319	H 01 G	4/22
103-106	H 02 H	5/04			47/32	213	H 05 F		247	F 23 Q	3/00	320	H 01 G	4/20
107,108	H 02 H	7/00	171	H 01 H	47/00		H 01 H				5/00	321	H 01 G	4/10
109	H 02 H	11/00	172	H 01 H	47/00		H 02 B				7/00			4/12
110	H 02 H	1/04			47/28		H 02 H		248	G 01 V	1/06	322	H 01 G	4/10
111	H 02 H	3/22	173-175	H 01 H	47/24		H 05 B			F 23 Q	7/00	323	H 01 G	4/08
112	H 02 H	7/20	176	H 01 H	47/00		H 05 F	3/00			21/00	324	H 01 G	4/16
113,114	H 02 H	1/00			47/24	214	H 05 F	3/00		G 01 V	1/06			4/18
115,116	H 01 H	73/00	177	H 01 H	47/24	215	H 01 G	1/08		H 05 B	43/02	325	H 01 G	4/08
117	H 02 H	1/00	178,179	H 01 H	47/12		H 05 F	3/00	249-252	F 23 Q	7/00	326	H 01 G	4/02
		1/04			47/28	216	H 05 F	3/00	253,254	F 23 Q	5/00	327	H 01 G	4/04
		3/22	180	H 01 H	47/12	217	H 01 G		255	F 23 Q	5/00	328-330	H 01 G	4/38
		9/06			47/32		H 01 H		256-260	F 23 Q	3/00	331,332	H 02 B	
118,119	H 01 C	7/12	181	H 01 H	47/12		H 02 B		261	F 23 Q	5/00	333	H 02 B	5/00
	H 02 H	1/00	182	H 01 H	47/18		H 02 H		262	F 23 Q	3/01	334	H 02 B	1/26
		1/04			47/20		H 05 F	3/00			5/00	335	H 02 B	5/00
		3/22			47/28	218	H 01 G	1/08	263	F 23 Q	3/00			7/00
120	H 02 H	9/06			51/32		H 05 F	3/00	264-266	F 23 Q	7/00	336,337	H 02 B	11/00
		1/00	183	H 01 H	47/20	219	H 05 F	3/00	267	H 01 F	13/00	338,339	H 02 B	11/12
		1/04	184	H 01 H	47/00	220	H 01 G			H 01 H	47/00	340	H 02 B	1/04
		3/22			47/20		H 01 H	47/00	268	H 01 H	9/28	341	H 02 B	1/20
		9/06			51/30		H 02 B				27/00	342	H 02 B	13/02
121-135	H 02 H	1/00	185	H 01 H	47/28		H 02 H				47/00	343	H 02 B	5/00
136	H 01 T	1/00			47/32	221-224	H 05 F	3/00	269,270	H 01 H	9/28	344	H 02 B	7/00
		4/00	186	H 01 H	47/18	225	H 01 G		271	H 01 G		345	H 02 B	1/14
		14/00			47/32		H 01 H		272	H 01 G	1/06			1/01
137	H 01 T	4/00	187	H 01 H	47/28		H 02 B				1/10	347,348	H 02 B	1/04
		14/00			47/32									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 361—Con.			428	H 02 B	1/20	540	H 01 G	1/14	82	B 60 Q	1/00	174-177	F 21 S	17/00
			429	H 02 B	1/01			9/00			1/32		F 21 L	19/02
		1/18	430	H 01 H	85/20	541	H 01 G	5/38			3/00	178	F 21 S	17/02
349	H 02 B	1/18		H 02 B	1/18			9/00	83	B 60 Q	1/00		F 21 L	19/00
350,351	H 02 B	1/04	431	H 01 H	85/04						1/26	179	F 21 H	17/00
352	H 02 B	1/056	432	H 01 H	85/22						1/32		F 21 L	19/00
353,354	H 02 B	1/04		H 02 B	1/18	U.S. Class 362					3/00			
355	H 02 B	1/20	434	H 01 G	9/00	ILLUMINATION			83.1	B 60 Q	1/26	180	F 21 L	25/00
356	H 02 B	1/26	435	H 01 G	9/18						1/12		F 21 S	19/00
357	H 02 B	1/04	436	H 01 G	9/16						1/56		F 21 V	17/00
		1/18	437	H 01 G		1	F 21 V	7/00	83.2	B 60 Q	1/26	181	F 21 V	19/00
		1/26		H 01 H			H 05 B	35/00	83.3	B 60 Q	9/16	182	F 21 V	15/00
358	H 02 B	1/015		H 02 B		2	F 21 V	9/02	84	F 21 V	33/00			
		1/26		H 02 H		3-18	G 03 B	15/02	85	F 21 V	1/22			
359	H 02 B	1/26		H 05 F		19	F 21 V	9/14	86	H 04 M	33/06	183	F 21 L	7/00
360	H 02 B	1/04	500	H 01 G	9/00	20	F 21 V	19/04	87	G 11 B	1/22			
		1/18	501	G 01 R	21/22	21,22	F 21 V	25/00	88	H 04 M	79/00			
		1/26		H 01 G	9/00	23	G 01 D	11/28	89	F 21 V	33/00			
361	H 02 B	1/20	502,503	H 01 G	9/00	24	H 04 M	1/22	90	D 05 B	9/30	184	F 21 L	7/00
362	H 02 B	1/26	504	H 01 G	9/02	25	F 01 P	11/16	91	A 47 L	33/00			
363	H 02 B	1/20		H 01 M	6/04	26-30	G 01 D	11/28	92-94	F 21 V	27/00			
364-375	H 02 B	1/00	505-507	H 01 G	9/02	31,32	F 21 V	7/04		F 25 D	21/02			
376	H 02 B	1/04	508	H 01 G	1/005	33	A 61 G	13/00	95,96	F 27 D	33/00	185-188	F 21 V	33/00
377	H 02 B	1/18			9/04		F 21 V	13/00	97	F 21 V	13/04		F 21 L	7/00
		1/30	509	H 01 G	9/05	34	F 21 K	2/00	98	G 09 F	19/00			
378	H 02 B	1/20	510	H 01 G	1/14	35	F 21 V	21/30	99	A 47 B	33/00	189	F 21 L	7/00
379-389	H 02 B	1/00			9/04	36	B 60 Q	1/12	100	F 21 V	17/10			
	H 05 K	7/20	511	H 01 G	4/32	37	B 60 Q	1/064	101	E 05 B	33/00			
390	H 05 K	5/00			9/04			1/076	102	F 21 V	3/02			
		5/03	512	H 01 G	9/02	38	B 60 Q	1/12	103,104	F 21 L	15/08	190	F 21 L	7/00
391	H 05 K	7/16	513	H 01 G	1/02	39,40	B 60 Q	1/06	105-108	F 21 L	15/14			
392,393	H 05 K	7/00			9/06	41	B 60 Q	1/12	109	F 21 V	33/00	191	F 21 L	7/00
394	H 05 K	5/00	514	H 01 G	1/08	42	B 60 Q	1/00	110-114	F 41 G	1/34			
		5/04			9/00	43-60	B 60 Q	1/12	115	B 26 B	19/46			
395	H 05 K	1/14	515	H 01 G	1/147	61	B 60 Q	1/00	116,117	F 21 V	21/46	192	H 04 M	1/22
396	H 05 K	7/00	516	H 01 G	9/04			1/064	118	B 43 K	29/10		B 60 Q	1/00
397	H 05 K	1/00			1/02	62	B 64 D	1/076	119,120	B 25 B	23/18		F 21 L	1/00
		7/02	517	H 01 G	9/08			3/00	121-124	F 21 P	1/02			
		7/06	518	H 01 G	9/10		B 64 F	47/02	125	A 47 F	11/10			
		7/08	519	H 05 K	5/06		F 21 V	1/20	126	F 25 D	27/00			
398	H 05 K	1/00		B 65 D	51/00	63	B 64 D	47/02		F 27 D	21/02			
399	H 05 K	5/00		H 01 G	9/10	64	B 60 Q	1/00	127-134	A 47 B	23/06			
		5/04	520	H 05 K	5/03			11/00			97/00			
		5/06			9/10	65	B 60 Q	1/05		F 21 V	33/00			
400	H 05 K	7/02		H 05 K	5/03			1/06	135-144	F 21 V	33/00	193	B 60 Q	1/00
		7/06	521	B 65 D	51/16			11/00	145-153	F 21 S	1/02	194-197	F 21 L	7/00
		7/08		H 01 G	9/12	66	B 60 Q	1/06			1/14			
		7/10		H 01 M	2/12		F 21 V	21/00			3/02			
401	H 05 K	1/18	522	H 01 G	5/38	67-70	B 60 Q	1/08	153.1	E 01 F	9/00	198	F 21 L	7/00
402	H 05 K	1/16			9/00	71	B 60 Q	1/10	154,155	F 21 V	33/00			
403	H 05 K	7/10	523	H 01 G	9/00			11/00	156	A 45 C	15/06			
404-408	H 01 R	9/00	524	H 01 G	4/06	72	B 62 J	6/00	157	F 21 L	7/00	199-206	F 21 L	7/00
409	H 05 K	7/02			5/22		F 21 V	33/00	158	F 21 L	11/00			
		7/06	525	H 01 G	9/02	73	B 60 Q	1/00			11/00			
		7/08	526	B 01 J	13/00			3/00		F 21 V	25/00	207,208	F 21 L	7/00
		7/10		H 01 G	9/02	74	B 60 Q	1/00			31/00			
410	H 05 K	1/18		H 01 M	6/14			3/00	159	F 21 L	19/00			
411	H 05 K	7/02	527	H 01 G	9/02			3/02		F 21 S	17/00			
		7/06	528	H 01 G	1/005			11/00			17/02	209	F 21 S	13/00
		7/10			9/04	75	B 60 Q	1/00	160	F 21 L	7/00	210	F 21 M	1/00
412	H 05 K	1/11	529	H 01 G	9/05			3/00		F 21 M		211,212	F 21 M	3/30
413	H 01 R	23/68	530	H 01 G	4/32			3/02		F 21 V	35/00	213	F 21 M	3/18
414	H 05 K	1/11	531	H 01 G	9/04		F 21 V	11/00	161	F 21 L	19/00			
		1/14	532	H 01 G	1/005	76	B 60 Q	33/00	162	F 21 L	19/00	214	F 21 M	3/14
415	H 05 K	7/14			9/04			1/24		F 21 V	19/00	215	F 21 M	3/08
		7/18	533	H 01 G	1/14			1/26	163	F 21 L	19/00	216	F 21 S	5/00
416	G 11 C	11/00			9/04	77	B 60 Q	1/00		F 21 V	35/00	217	F 21 S	3/00
417	H 05 K	7/02	534	H 01 G	1/10			3/00	164,165	F 21 L	23/00	218	F 21 S	3/00
		7/04			9/00			3/04		F 21 V	25/12		F 21 V	29/00
418	H 05 K	7/10	535	H 01 G	1/02			11/00	166	F 21 L	19/00	219	F 21 S	3/00
		7/12			9/08	78	B 60 Q	1/00		F 21 Q	3/00	220	F 21 S	3/00
419,420	H 05 K	7/02	536	H 01 G	9/10			1/26	167	F 21 V	9/10	221	F 21 V	19/02
		7/04		H 05 K	5/06	79	B 60 Q	1/00			11/00	222	F 21 M	3/00
421	H 05 K	5/02	537	B 65 D	51/00		F 21 V	33/00	168	F 21 L	19/00			
422	H 05 K	7/00		H 01 G	9/10		B 60 Q	1/00	169,170	F 21 L	19/00	223-225	F 21 V	23/02
423	H 01 J	7/04		H 05 K	5/03	80		1/26		F 21 Q	5/00	226	F 21 S	3/00
424	H 05 K	9/00	538	H 01 G	1/14			11/00		F 21 V	19/00	227	H 01 R	33/00
425	H 01 R	9/00			9/10	80.1	B 60 Q	1/24		F 21 L	19/00		F 21 M	
426	H 02 B	1/04		H 05 K	5/03	81	B 60 Q	1/32						
427	H 01 R	9/00	539	H 01 G	9/00									
	H 02 B	1/01		H 05 K	5/00									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 362—Con.			365	F 21 S	1/06	404	F 21 S	1/04	33	H 02 M	3/42	140	H 02 M	7/44
					3/06			1/06	34	H 02 J	3/00			7/68
228,229	F 21 S	15/00	366	F 21 S	1/06			3/04		H 02 M	5/40	141	H 02 M	
	F 21 M	19/00			3/06	405,406	F 21 S	1/06	35	H 02 J	3/36	142	H 02 M	1/10
230,231	F 21 V	9/00	367	F 21 L	7/00			3/06	36	H 02 M		143	H 02 M	7/04
232	F 21 S				15/00	407	F 21 V	21/16	37	H 02 M	5/45	144-147	H 02 M	1/00
233	F 21 M				1/10	408	F 21 S	1/04			5/458	148,149	H 02 M	5/00
	F 21 S				3/10			1/06	38	H 02 M	5/447	150	H 02 M	5/32
234	F 21 V	33/00			13/10			3/04			5/456	151	H 02 M	5/20
235-241	F 21 V	1/00	368	B 60 Q	1/00	409	F 21 V	36/00	39	H 02 J	1/02			5/22
		11/00			3/00			3/06		H 02 M	1/12			5/253
242,243	F 21 V	13/00		F 21 S	1/06	410	F 21 S	37/00	40-48	H 02 M	1/12	152	H 02 M	5/06
244-246	F 21 V	5/00			3/06	411	F 21 S	1/12			1/14	153	H 02 M	5/10
247	F 21 V	7/00		F 21 V	11/00			3/12	49	H 02 M		154	H 02 M	5/06
248	F 21 V	1/00	369	B 60 Q	1/00	411	F 21 S	1/12	50	H 02 H	7/10	155	H 02 M	5/10
249	F 21 V	21/00			3/00			3/10	51	H 02 H	7/00	156	H 02 M	5/06
250	F 21 V	21/14			11/00	412-414	F 21 S	1/12	52-54	H 02 H	7/125	157	H 02 M	5/00
		21/32		F 21 V	15/04	415	F 21 S	3/12	55-58	H 02 H	7/122	158	H 02 M	1/00
251	F 21 V	23/04	370	B 60 Q	1/00			1/12	59,60	H 02 M	3/18	159	H 02 M	5/20
252	F 21 P	1/00			3/00			3/12			7/00			5/22
253	F 21 V	33/00		F 21 S	1/06		F 21 V	36/00			7/19			5/25
254	F 21 V	19/04			3/06	416	F 21 V	37/00			7/25	160-162	H 02 M	5/257
255,256	F 21 M	3/14		F 21 V	11/00	417	F 21 V	21/14	61	H 02 M	3/18	163	H 02 M	5/275
257	F 21 M		371	B 60 Q	1/06			17/00			7/02			5/293
	F 21 S			F 21 M	3/18	418	F 21 S	19/00			7/19	164,165	H 02 M	5/00
258	F 21 V	27/00		F 21 P	5/00			1/02			7/25		H 02 P	11/00
259-266	F 21 K			F 21 V	21/00	419	F 21 V	3/02	62	H 02 M	3/06	166	H 02 M	5/20
267	F 21 V	29/00	372	F 21 V	19/02		F 21 M	19/02	63	H 02 M	7/02			5/22
268	F 21 V	1/06	373	B 60 Q	1/06	419	F 21 S	3/18	64	H 02 M	7/00			5/275
269-274	F 21 V	21/26		F 21 M	3/18			1/02	65-72	H 02 M		167,168	H 02 M	5/22
275	F 21 V	21/28		F 21 V	29/00	420	B 60 Q	3/02	73	H 02 M	7/00			5/29
		21/29	374	F 21 V	21/00		F 21 M	1/06	74,75	H 02 M		169	H 02 M	5/253
276-292	F 21 V		375	F 21 V	17/00	421-427	F 21 S	3/18	76,77	H 02 M	3/24	170	H 02 M	5/06
293	F 21 V	9/00	376	F 21 V	15/00			1/02			5/42	171,172	H 02 M	5/16
294	F 21 V	29/00			21/00	428	B 60 Q	3/02			7/68	173	H 02 M	5/06
295	F 21 V	23/00	377	F 21 V	15/00	429	F 21 V	1/06	78-83	H 02 M		174-176	H 02 M	5/32
296-310	F 21 V	7/00	378	F 21 V	15/00	430	F 21 S	21/10	84-94	H 02 M	5/42	177	H 02 M	5/34
311	F 21 V	3/00			21/00			1/02			7/04	178	H 02 M	
		5/00	379	F 21 V	11/00	431	F 21 S	3/02			7/68			
312,313	F 21 L	19/00	380	F 21 V	25/12			1/10	95-99	H 02 M	3/24			
	F 21 V	3/00	381	F 21 M	13/00	432	F 21 S	3/10			5/42			
314	F 21 L	19/00		F 21 S	17/00			13/10			7/44			
	F 21 V	3/00	382	F 21 V	19/00			1/02			7/68			
		21/00		F 21 V	21/00	433-438	F 21 V	13/02	100	H 02 P	13/00			
315,316	F 21 V	3/00	383	F 21 S		439	F 21 S	17/06	101	H 02 M	7/00			
		19/00		F 21 V				1/02	102-105	H 02 M	1/20			
317	F 21 V		384	B 60 Q	1/12			1/12			7/30	130	G 05 B	15/00
318	F 21 V	5/00		F 21 S				3/02			7/40	131-136	G 05 B	19/18
		9/12		F 21 V				3/12			7/54	137	G 05 B	11/01
319-325	F 21 V	17/02		F 21 S				7/64			7/64	138,139	G 05 B	15/02
326-334	F 21 V	5/00	385	B 60 Q	1/06		F 21 V	21/10			7/86			19/18
335	F 21 V	5/04		F 21 S		440-442	F 21 V	17/00			7/98	140-147	G 05 B	11/01
336-338	F 21 V	5/00		F 21 V		443	F 21 V	17/06			7/32	148	G 05 B	13/02
339,340	F 21 V	5/02	386	B 60 Q	1/06	444	F 21 V	17/04		H 02 P	11/00	149-151	G 05 B	13/04
341,342	F 21 V	7/00		F 21 M	3/18	445,446	F 21 V	17/00	106	H 02 M	7/32	152-166	G 05 B	13/02
343	F 21 V	13/02		F 21 S		447	F 21 V	17/04			7/58	167,01	G 05 B	19/18
344	F 21 V	7/00		F 21 V				35/00	107	H 02 M	7/34	172-175	G 05 B	11/32
345	F 21 V	7/20	387	F 21 S	1/12	448	F 21 V	17/00			7/60	176,177	G 05 B	11/01
346-350	F 21 V	7/00			3/10	449	F 21 V	17/02	108	H 02 M	7/34	178,179	G 05 B	21/02
351	F 21 V	11/00		F 21 V	21/00	450-456	F 21 V	17/00	109	H 02 M	7/60	180-182	G 05 B	
352	F 21 V	1/06	388	F 21 V	21/00	457	F 21 S	13/02	110	H 02 M	7/36	183	G 05 B	11/01
		11/00	389	F 21 V	21/06			13/12			7/12	184-187	G 05 B	9/02
353	F 21 V	11/00	390	F 21 V	15/04	458	F 21 S	17/00	111	H 02 M	7/06	188-190	G 05 B	19/42
354	F 21 V	11/02	391	F 21 V	21/00		F 21 V				7/26	191-194	G 05 B	1/00
		11/06			21/36				112	H 02 M	7/04	200	G 06 F	3/00
355,356	F 21 V	11/00	392	F 21 P	1/02				113	H 02 M	7/06			7/00
357	F 21 V	1/16		F 21 V	35/00				114	H 02 M	7/12			7/02
		11/00	393	F 21 V	21/14						7/46			7/06
358	F 21 V	1/04			35/00				115-120	H 02 M	7/48			7/22
		11/00	394	F 21 V	23/04						7/70			9/00
359	F 21 V	11/00	395	F 21 S	1/12						7/72			13/00
360	F 21 V	1/12			3/10						1/02			15/00
		11/00		F 21 V	23/04				121,122	H 02 M	7/00	300	G 06 F	7/00
361	F 21 V	11/00	396	F 21 V	21/00	1-12	H 02 M		123-125	H 02 M	7/06			9/00
362	A 47 G	33/16			21/08	13	H 02 M	7/00	126	H 02 M	7/06			15/00
	B 60 Q	3/04	397	F 21 L	15/16	14	H 02 M		127	H 02 M	7/217	400	G 06 F	15/20
	F 21 M			F 21 V	21/00	15	H 02 J	1/00	128-130	H 02 M	7/155			7/43
	F 21 P	1/02			21/08		H 02 M	3/00	131	H 02 M	7/537	401	G 06 F	15/22
363	F 21 S	1/10	398	F 21 L	15/18			3/22	132	H 02 M	7/5387			15/24
		3/10		F 21 V	21/00	16-26	H 02 M	3/335	133,134	H 02 M	7/538			7/52
		13/10			21/08	27,28	H 02 M	3/315	135	H 02 M	7/515	402	G 06 G	15/20
	F 21 V	3/00	399,400	F 21 L	15/12	29-31	H 02 M	3/28	136,137	H 02 M	7/521			7/48
364	F 21 S	1/06	401	F 21 V	21/20			3/31	138	H 02 M	1/06	403	G 06 F	15/00
		3/06	402	F 21 V	21/18			3/33			7/521			
	F 21 V	17/00	403	F 21 V	21/36	32	H 02 M	3/34	139	H 02 M	7/519	404,405	G 07 G	1/12

U.S. Class 364

ELECTRICAL COMPUTERS AND DATA PROCESSING SYSTEMS

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 364—Con.														
406,407	G 06 F	15/00	482	G 06 G	7/62	572	H 03 H	7/12	825	G 06 G	7/02	65	G 11 C	5/06
408	G 06 F	15/20	483	G 01 R	27/00	573	G 06 G	7/12	826	G 06 G	7/02	66-70	G 11 C	11/42
	G 06 G	7/52		G 01 R	19/00	574	H 03 F	1/26			7/12	71.72	G 11 C	5/08
409	G 06 F	15/20	484,485	G 01 R	23/00	575	H 04 B	15/00	827	G 06 G	7/19	73.74	G 11 C	5/06
	G 06 F	7/48	486	G 01 R	29/02	576	G 06 G	7/12	828-836	G 06 G	7/18	75	G 11 C	21/00
410-412	G 06 F	15/28	487	G 01 R	23/16	577	G 06 G	7/19	837	G 06 E	3/00	76	G 11 C	19/00
	G 06 F	15/44		G 01 R	27/02	578	G 06 G	7/30		G 06 G	7/18		G 11 C	21/00
	G 06 G	7/48		G 06 F	15/31	579	G 06 G	7/48	838-840	G 06 G	7/16	77	G 11 C	21/02
413 01-413 31	G 06 F	15/00	488-491	G 06 G	7/36	580	G 05 B	23/02	841,842	G 06 G	7/164	78-86	G 11 C	21/00
419	G 06 F	15/38	492-495	G 06 G	15/00	581,582	G 05 B	19/02	843	G 06 G	7/16	87,88	G 11 C	19/08
	G 06 G	7/60	496	H 02 J	15/00	600-608	G 06 J	7/12	844	G 06 G	3/00	89	G 11 C	19/00
420	G 01 V	1/00		G 01 N	15/46	700	G 06 F	7/38	845	G 06 E	7/16	90-92	G 11 C	19/06
	G 01 W	1/10		G 06 F	15/46	701	G 06 F	15/20	846,847	G 06 G	7/162	93	G 11 C	19/00
	G 06 F	15/54	497	G 06 G	7/58	702	G 06 J	1/02	848-851	G 06 G	7/16	94-96	G 11 C	17/00
	G 06 G	7/48		G 01 N	31/00	703	G 06 F	7/52	852	G 06 G	7/28	97-99	G 11 C	17/02
421	G 01 V	1/00		G 06 F	15/46	704	G 06 F	15/16	853	G 06 G	7/30	100-104	G 11 C	17/00
	G 01 W	1/00	498-503	G 01 T	7/58	705 01-705.08	G 06 F	15/02	854	G 06 G	7/28	105	G 11 C	17/06
	G 06 F	15/58		G 06 F	15/46	706	G 06 F	15/04	855	G 06 E	3/00	106	G 11 C	13/00
422	G 06 G	7/48	505-507	G 06 G	7/58	707,708	G 06 F	1/00	856	G 06 G	7/26	107	G 11 C	13/02
	G 01 V	1/00		G 06 F	15/20	709 01	G 06 F	3/00	857	G 06 G	7/24	108	G 11 C	13/04
	G 06 F	15/48	508	G 06 G	7/68	709 02-709.15	G 06 F	3/00			7/26	109	G 11 C	11/22
	G 06 G	15/50	509,510	G 01 H	7/00	709.16-710.14	G 06 F	13/00	858	G 06 G	7/22	110-112	G 11 C	13/04
423	G 06 F	15/14		G 01 M	7/00	711	G 06 F	3/00	859	G 06 G	7/26	113	G 11 C	13/00
	G 06 F	15/50		G 01 F	7/57	712	G 06 F	7/48			7/24	114	G 11 C	11/34
424 01-424 07	G 06 F	7/70	511	G 06 G	5/00	713	G 06 E	1/04			7/26	115	G 11 C	11/36
	G 06 G	15/48	512	G 01 L	15/00	714	G 06 F	7/48	860	G 06 G	7/00	116	G 11 C	13/00
	G 06 G	7/00	513	G 09 C	1/06	715.01-715.11	G 06 F	15/00	861-863	G 06 G	7/12	117	G 11 C	11/22
424 1	G 06 F	15/50	513.5	G 10 L	15/00	716	G 06 F	7/38	900	G 06 F	1/00	118-120	G 11 C	13/00
	G 06 G	7/70		G 01 L	15/00	717	G 06 F	1/02			3/00	121	G 11 C	13/04
425	G 06 G	7/00	514	G 06 F	13/00	717.5	G 06 F	15/00			7/00	122	G 11 C	13/06
	G 06 G	7/76	516,517	G 06 K	15/00	718-722	G 06 F	1/02			7/02	123	G 11 C	11/21
426 01-426 05	G 06 F	7/70		G 01 S	17/00	723	G 06 F	7/38			7/06	124,125	G 11 C	13/04
	G 06 G	15/48	518	G 06 G	15/00	724	G 06 F	15/31			7/22	126	G 11 C	11/46
	G 06 G	7/76	519	G 06 F	15/00	724.01,724.02	G 06 F	13/00			9/00	127,128	G 11 C	13/00
427-430	G 06 F	15/48		B 41 B	15/00	724.03	G 06 F	15/31			12/00	129-133	G 11 C	11/00
	G 06 G	15/50	520	B 41 J	15/00	724.04-724.2	G 06 F	15/31			13/00	134,135	G 11 C	11/04
	G 06 G	7/76		G 06 F	15/00	725	G 06 F	7/38			15/00	136	G 11 C	11/12
431 01-431.12	G 06 F	15/48	521,522	G 06 F	15/00	726	G 06 F	15/00			15/00	137,138	G 11 C	11/04
	G 06 G	15/50		H 01 J	15/00	727	G 06 F	7/36			7/06	139	G 11 C	11/08
432-435	G 06 F	15/48	523	G 03 B	15/00	728.01-728.07	G 06 F	15/336			7/22	140-144	G 11 C	11/08
	G 06 F	15/50		G 03 B	15/00	729-736	G 06 F	7/38			9/00	145	G 11 C	11/22
	G 06 G	15/50	524,525	G 06 F	15/00	736.5	G 06 F	15/00			19/08	146-148	G 11 C	11/00
436-438	G 06 F	15/48	526	G 02 B	15/00	737-741	G 06 F	11/00			19/08	149,150	G 11 C	11/24
	G 06 G	7/76		G 01 J	15/00	742	G 06 E	1/04			19/08	151,152	G 11 C	11/00
	G 06 G	15/50	527	G 02 F	15/52	743	G 06 F	7/44			19/08	153-159	G 11 C	11/00
	G 06 G	7/70		G 06 F	7/54	744-746	G 06 F	7/38			11/18	160	G 11 C	11/44
439-442	G 06 F	15/48	550	G 06 G	7/00	746.1,746.2	G 06 F	15/00			19/08	161	G 11 C	11/14
	G 06 F	15/50		G 01 B	7/00	747,748	G 06 F	7/38			11/42	162	G 11 C	11/44
	G 08 G	5/00	551.01,551.02	G 01 M	15/20	748.5	G 06 F	7/00			13/04	163	G 11 C	11/00
	G 06 G	7/70	552-554	G 06 F	7/48	749,750	G 06 F	15/00			19/08	164,165	G 11 C	11/50
443-459	G 01 C	21/00	555	G 06 G	7/48	750.5	G 06 F	15/00			11/42	166	G 11 C	11/50
	G 01 S	7/78	556	G 01 K	15/00	751-753	G 06 F	7/38			19/08	167	G 11 C	11/54
	G 06 G	15/20	557	G 01 N	7/00	754-767	G 06 F	7/52			19/08	168	G 11 C	11/56
460	G 06 F	15/20	558	G 01 N	9/00	768-776	G 06 F	7/50			5/02	169	G 11 C	11/00
	G 06 G	7/78		G 01 B	15/00	777	G 06 F	7/42			19/08	170	G 11 C	11/18
461	G 06 F	15/20	559-563	G 01 B	15/00	778-788	G 06 F	7/50			19/08	171,172	G 11 C	11/14
	G 06 G	7/78	564	G 01 B	15/00	800	G 06 G	7/00			27/00	173	G 11 C	11/15
	G 06 F	7/78		G 01 F	25/00	801	G 06 G	7/48			11/46	174	G 11 C	11/34
	G 06 G	7/02	565,566	G 01 P	23/48	802	G 06 G	7/62			27/00	175	G 11 C	11/36
	G 08 G	9/02	567,568	G 01 G	19/00	803,804	G 06 G	7/57			27/00	176-188	G 11 C	11/34
462	G 06 F	15/20	569	G 04 F	25/00	805	G 06 G	7/70			15/00	189.01-189.09	G 11 C	7/00
	G 06 G	7/78	570	G 01 K	25/00			7/72			5/02	189.11-198	G 11 C	7/00
463-467	G 06 F	15/20	571.01-571.08	G 01 N	25/00	806	G 06 G	7/48			7/02	199	G 11 C	11/363
	G 06 G	7/48		G 01 C	18/00	807	G 06 G	7/00			5/02	200,201	G 11 C	7/00
468-477	G 06 F	15/46		G 01 D	25/00	808	G 06 G	7/32			11/00	202-205	G 11 C	7/00
	G 06 G	7/66		G 01 F	23/48	809	G 06 G	7/34			7/02	206-210	G 11 C	7/02
478,479	G 06 F	15/20		G 01 G	19/00	810	G 06 G	7/38			11/00	211	G 11 C	7/04
	G 06 G	7/48		G 01 L	25/00	811,812	G 06 G	7/12			5/00	212	G 11 C	7/04
480	G 06 F	15/20		G 01 P	27/00	813,814	G 06 G	7/20			11/00	213	G 11 C	7/04
	G 06 G	7/62		G 01 R	21/00	815-818	G 06 G	7/22			5/00	214	G 11 C	7/02
481	G 01 R	15/20		G 01 R	35/00	819-821	G 06 G	7/12			5/06	215,216	G 11 C	7/00
	G 06 F	15/20		G 01 V	13/00	822	G 06 E	3/00			13/04	217-225	G 11 C	13/04
				G 01 W	1/18	823,824	G 06 G	7/12			13/04	225.5-229	G 11 C	7/30

CONCORDANCE 1990—United States to International Patent Classification

U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 365—Con.			144-149	B 01 F	15/06	12	G 04 B	47/00			9/02	244	G 04 B	23/02
230.01-230.09	G 11 C	8/00	150	B 01 F	15/02	13	G 04 B	47/02	142-144	G 04 B	1/10			25/04
231,232	G 11 C	8/02	151-153	G 05 D	11/02	14	G 04 B	47/06	145	G 04 B	3/00		G 04 C	21/16
233	G 11 C	8/00	154-159	B 01 F	15/02	15	G 04 B	19/26			5/00	245	G 04 B	23/02
233.5	G 11 C		160-162	G 05 D	11/00			49/00			27/00		G 04 C	21/16
234,235	G 11 C	8/00	163-166	B 01 F	15/02	16-20	G 04 B	19/26	146	G 04 B	25/02	246	G 04 B	23/06
			167-175	B 01 F	5/04	21-27	G 04 B	19/22	147	G 04 B	23/00			23/10
236-238	G 11 C	13/04	176	B 01 F	5/06	28	G 04 B	19/24			25/00		G 04 C	21/30
238.5	G 11 C	8/00	177-196	B 01 F	15/02	29,30	G 04 B	19/24			21/00	247,248	G 04 B	23/08
239	G 11 C	8/00	197-207	B 01 F	7/00		G 04 C	17/00	148	G 04 B	25/02	249	G 04 B	23/00
240	G 11 C	8/00			13/00	31,32	G 04 B	3/00			27/00	250	G 04 C	21/00
		19/00	208-219	B 01 F	11/00			19/24	149	G 04 C	21/00	251	G 04 C	21/16
241-243.5	G 11 C	8/00	220-236	B 01 F	9/00			27/00	150	G 04 C	21/00			23/11
244	G 11 C		237-243	B 01 F	11/00	33	G 04 B	3/00			21/14	252,253	G 04 C	21/16
			244-254	B 01 F	7/00			19/24	151	G 04 B	25/00			23/18
			255-261	B 01 F	11/00	34	G 04 B	19/24	152	G 04 B	3/00	254-259	G 04 C	21/16
			262-270	B 01 F	5/12			27/00	153	G 04 B	23/08	260-266	G 04 B	23/00
			271	B 01 F	13/00	35,36	G 04 B	19/20	154	G 04 B	23/00	267	G 04 B	21/00
			272	B 01 F	7/00			19/24	155	G 04 C	15/00	268-274	G 04 B	19/00
			273,274	B 01 F	13/08			27/00		G 04 F	5/00			21/00
			275-278	B 01 F	11/00	37-40	G 04 B	19/20		G 06 F	1/04	275	G 04 B	21/00
			279-331	B 01 F	7/00			19/24	156-159	G 04 F	5/00	276,277	G 04 B	37/00
1	B 28 C	5/00	332-335	B 01 F	11/00	41	G 04 B	45/00		G 06 F	1/04	278,279	G 04 B	37/00
	E 01 C	19/10	336-340	B 01 F	5/06			47/00	160-167	G 04 F	5/00			37/12
2	B 28 C	5/00	341-344	B 01 F	13/00	42-45	G 04 B	45/00	168,169	G 04 B	17/00	280	G 04 B	37/00
3-5	B 28 C	5/06	345-347	B 01 F	15/00	46	G 04 C	11/00	170-174	G 04 B	17/20	281	A 44 C	5/00
6	B 28 C	5/46	348,349	B 01 F	13/00			13/00	175-178	G 04 B	17/04		G 04 B	37/00
		7/00			15/00	47	G 04 C	11/02	179	G 04 B	17/02	282-284	G 04 B	37/00
7	B 28 C	5/46	600	B 01 F	11/00	48	G 04 C	13/02	180	G 04 B	17/02	285	G 04 B	37/00
8	B 28 C	7/04	601	B 01 F	13/04	49-51	G 04 C	13/00			17/10			47/04
9	B 28 C	5/04	602	G 05 D	13/00	52-54	G 04 C	13/04	181	G 04 B	17/00	286-292	G 04 B	37/00
10-13	B 28 C	5/06	603	A 61 C	5/06	55	G 04 C	11/04	182	G 04 B	17/22	293	G 04 B	37/00
14,15	B 28 C	5/00	604	A 23 N	17/00			13/04	183	G 04 B	17/02			43/00
16-21	B 28 C	7/04	605	A 45 D	27/06	56-58	G 04 C	13/04	184	G 04 B	17/00	294-296	G 04 B	37/00
22-25	B 28 C	5/46	606	B 01 F	3/00	59	G 04 C	13/08		G 04 C	5/00			39/00
26	B 28 C	5/00	607	B 28 C	5/42	60,61	G 04 C	13/10	185	G 04 B	18/00	297-299	G 04 B	37/00
27-29	B 28 C	7/00		B 01 F	7/00	62	G 04 B	27/00			17/30	300	G 04 B	29/00
30	B 28 C	7/04					G 04 C		186	G 04 B	18/00			37/00
		7/14				63	G 04 B	21/08			9/00	301-313	G 04 B	37/00
31-41	B 28 C	7/04	U.S. Class 367				G 04 C	21/14	187-189	G 04 C	27/02	314	G 04 B	19/14
42-52	B 28 C	7/16	COMMUNICATIONS, ELECTRICAL:			64	G 04 B	1/00	190	G 04 B	27/02			37/00
53-63	B 28 C	5/18	ACOUSTIC WAVE SYSTEMS AND			65	G 04 C	3/00	191-195	G 04 B	27/04	315-317	G 04 B	37/00
64-67	B 28 C	5/08	DEVICES			66	G 04 B	1/26	196-199	G 04 B	27/02	318-321	G 04 B	29/00
68	B 28 C	7/16					G 04 B	9/00	200,201	G 04 B	18/00	322	G 04 B	29/00
69	A 21 C	1/00	1	H 04 K	3/00	67,68	G 04 C	23/00	202	G 04 B	17/20			31/00
	A 23 G	1/00	2-6	H 04 B	1/59	69,70	G 04 B	19/30	203-205	G 04 B	1/00			35/00
		1/10	7	G 03 B	42/06		G 04 C	17/00		G 04 C	3/00	323-326	G 04 B	29/00
	B 01 F	7/00	8-10	G 03 H	3/00			19/00	206	G 04 B	3/00	327	G 04 C	
	B 28 C	1/16	11	G 03 B	42/06	71	G 04 B	21/00			5/00			
		3/00	12,13	H 04 B	17/00		G 04 C	25/00		G 04 C	1/00			
70	A 23 G	3/10	14	G 01 V	1/00		G 04 C	23/00	207	G 04 B	5/00	U.S. Class 369		
71-74	A 21 C	1/08	15-24	G 01 V	1/38	72-74	G 04 B	23/02	208	G 04 B	5/02	DYNAMIC INFORMATION STORAGE OR		
	B 01 F	7/12	25-80	G 01 V	1/00		G 04 C	21/00	209	G 04 B	5/24	RETRIEVAL		
		7/28	81-85	H 04 H	9/00	75	G 04 C	23/00		G 04 C	1/10			
75	B 28 C	3/00	86	G 01 V	1/00		G 04 B	21/02	210-212	G 04 B	9/00	1-5	H 04 B	1/20
	A 21 C	1/10	87-116	G 01 S	15/00	76	G 04 C	23/00	213	G 04 B	3/00	7	H 04 H	9/00
	B 01 F	7/00	117	G 01 S	1/72		G 04 B	19/00	214	G 04 B	3/02	8-12	H 04 B	1/20
76	B 28 C	7/04	118-130	G 01 S	3/80	77,78	G 04 C	21/00			3/04	13	G 11 B	11/00
77	B 28 C	7/16	131-134	H 04 B	11/00	79	G 04 B	19/20			3/06	14	G 11 B	13/00
78	B 28 C	1/16	135,136	H 04 B	1/06		G 04 B	19/00	215,216	G 04 B	3/00	15-18	G 11 B	11/00
79-91	A 21 C	1/06	137-139	H 04 B	1/02	80,81	G 04 C	3/00	217-219	G 04 C	5/00	19-23	G 11 B	31/00
	B 01 F	7/08	140-154	H 04 R			G 04 B	19/04			19/02	24-28	G 11 B	19/00
		7/24	155	H 04 R	17/00			19/06	220-222	G 04 B	19/02	29	H 04 M	11/10
	B 28 C	1/16	156	H 04 R	15/00	82-87	G 04 C	19/00	223	G 04 B	25/00	30-41	G 11 B	17/22
		3/00	157-167	H 04 R	17/00	88	G 04 B	37/00			17/00	42	G 11 B	15/10
92-96	B 28 C	1/16	168	H 04 R	15/00		G 04 C	23/02		G 04 C	17/00	43,44	G 11 B	7/00
		3/00	169-179	H 04 R		89	G 04 F		224,225	G 04 B	19/06			21/10
	B 29 B	7/00	180	H 04 R	17/00	90	G 04 F	1/00	226	G 04 B	19/32	45	G 11 B	5/09
97-100	A 21 C	1/00	181	H 04 R	19/00		G 04 F	3/00	227	G 04 B	19/30			7/00
	B 01 F	7/00	182-184	H 04 R	9/00	91	G 04 F	1/04	228	G 04 B	19/04			21/10
	B 28 C	1/16	185-187	H 04 R	11/00			3/00			19/06			5/09
		3/00	188-190	H 04 R		92	G 04 F	3/00	229	G 04 B	19/06			20/22
	B 29 B	7/00	191	H 04 B	11/00	93-95	G 04 F	1/04			25/06			21/10
101-107	B 01 F	13/02	197-199	G 10 K	11/00	96	G 04 F	3/00	230	G 04 B	19/06			5/09
108	B 01 F	11/00				97-100	G 04 F	1/00			25/02	46	G 11 B	5/09
	B 28 C	5/48						3/00	231	G 04 B	19/16			7/00
109-126	B 01 F	11/00				101-106	G 04 F	7/00	232-237	G 04 B	19/06			20/10
127	B 01 F	11/02				107-123	G 04 F	8/00	238	G 04 B	19/04			21/10
128	B 01 F	11/00						10/00	239	G 04 C	17/00	47	G 11 B	5/09
129,130	B 01 F					124	G 04 B	15/00			19/00			15/52
131-137	B 01 F	15/02					G 04 C	5/00	240	G 04 C	17/02			20/10
138	B 01 F	15/00				125-138	G 04 B	15/00			19/02			27/22
139	B 01 F	13/06				139	G 04 B	1/00	241,242	G 04 C	17/00	48	G 11 B	5/09
140	B 01 F	15/00				140	G 04 B	1/10	243	G 04 B	21/00			15/52
141	B 01 F	15/04				141	G 04 B	1/20			23/00			20/12
142,143	B 01 F	15/00						5/24		G 04 C	21/00			27/22

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC								
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation						
U.S. Class 369—Con.						U.S. Class 371						U.S. Class 372						U.S. Class 374					
						ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY						COHERENT LIGHT GENERATORS						THERMAL MEASURING AND TESTING					
49-51	G 11 B	5/09	13.1	H 04 J	1/16	1	G 06 K	5/04	1,2	H 01 S	3/00	79	F 27 D	3/00									
		15/52			3/14				3-8	H 01 S	3/30	80	F 27 D	13/00									
		20/10	14-17	H 04 J	1/16		G 11 B	5/00	9	H 01 S	3/10	81,82	F 27 D	3/00									
		27/22			3/14	2-5	G 06 F	11/00	10	H 01 S	3/11	83	F 27 D	3/14									
52	G 11 B	5/09	18	H 04 J	13/00	6	H 03 M	13/00	11	H 01 S	3/113	84	F 27 D	14/02									
		15/06	19-23	H 04 J	11/00	7-14	G 06 F	11/00	12	H 01 S	3/115	85,86	F 27 D	23/04									
		20/10	24	H 04 B	1/56	15	G 01 R	31/28	13	H 01 S	3/117	87	F 27 D	23/02									
53,54	G 11 B	3/90		H 04 J	15/00	16-20	G 06 F	11/00	14	H 01 S	3/121	88	F 27 D	7/06									
		5/09	25,26	H 04 L	5/14	21	G 06 F	11/00	15	H 01 S	3/121	89	H 05 B	7/09									
		20/10		H 04 J	15/00	22	G 11 C	29/00	16	H 01 S	3/123	90	H 05 B	7/08									
		27/36	27	H 04 L	5/12	23	G 06 F	11/00	17	H 01 S	3/11	91	H 05 B	7/06									
55-58	G 11 B	3/90		H 04 B	1/58	24-27	G 01 R	31/28	18,19	H 01 S	3/125	92	H 05 B	7/14									
		27/36			1/58	28	G 06 F	11/00	20-28	H 01 S	3/11	93	H 05 B	7/06									
59-62	G 11 B	5/76		H 04 J	15/00	29	G 06 F	11/00	29-32	H 01 S	3/127	94	H 05 B	7/10									
		3/33	28	H 04 J	15/00	30	G 06 F	11/00	33	H 01 S	3/098	95,96	H 05 B	7/12									
63-68	A 63 H	31/00		H 04 L	5/14	31	H 03 M	13/00	34-36	H 01 S	3/10	97	H 05 B	7/107									
		31/00	29	H 04 B	1/56	32	H 04 L	1/00	37,38	H 01 S	3/13	98,99	H 05 B	7/101									
69,70	G 11 B	3/58		H 04 J	3/00	33	H 04 L	1/18	39	H 01 S	3/04	100	H 05 B	7/110									
71-74	G 11 B	33/02		H 04 L	5/14	34	H 04 L	1/14	40	H 01 S	3/00	101	H 05 B	7/111									
75.1-82	G 11 B	27/00	30	H 04 B	1/50	35	H 03 M	13/00	41,42	H 01 S	3/04	102	H 05 B	7/144									
83	G 11 B	3/64		H 04 J	1/00	36	G 06 F	11/08	43	H 01 S	3/14	103	H 05 B	7/111									
84,85	G 11 B	7/28		H 04 L	5/14	37	G 06 F	11/10	44-50	H 01 S	3/17	104,105	H 05 B	7/148									
		3/74	31	H 04 B	3/20	38	G 06 F	11/10	51-54	H 01 S	3/15	106	H 05 B	7/156									
86-92	G 11 B	3/74		H 04 L	5/16	39-42	H 03 M	13/00	55-60	H 01 S	3/18	107,108	H 05 B	7/144									
93-98	G 11 B	3/74		H 04 L	15/00	43-46	G 06 F	11/10	76-80	H 01 S	3/19	109	H 05 B	3/00									
		7/20	32	H 04 J	5/14	47	G 06 F	11/10	81-88	H 01 S	3/20	110-112	F 27 D	7/05									
99	G 11 B	3/00		H 04 L	5/14	48	H 03 M	13/00	89	H 01 S	3/091	113	F 27 D	9/00									
		7/00	32.1	H 04 J	1/00	49-51	G 06 F	11/10	90,91	H 01 S	3/094	114	H 05 B	3/02									
		9/00			3/00	52	H 03 M	13/00	92	H 01 S	3/091	115,116	F 27 D	3/00									
		11/00	33-36	H 04 L	5/14	53,54	G 06 F	11/10	93	H 01 S	3/097	117-119	H 05 B	3/62									
		13/00	37	H 04 J	15/00	55	H 03 M	13/12	94	H 01 S	3/095	120-126	H 05 B	3/60									
100	G 11 B	7/00		H 04 L	5/00	56	G 06 F	11/00	95,96	H 01 S	3/09	127	H 05 B	3/43									
101	G 11 B	7/00		H 04 L	5/00	57	H 03 M	13/00	97	H 01 S	3/091	128-130	H 05 B	3/66									
		9/10	38-40	G 08 C	15/00	58-68	H 04 L	1/00	98-108	H 01 S	3/082	131	H 05 B	3/03									
102-125	G 11 B	7/00	41-44	H 04 L	5/22	69,70	G 06 F	11/10	109	H 01 S	3/00	132,133	H 05 B	3/14									
126	G 11 B	9/00	45	H 04 L	5/22		G 06 F	11/10				134	H 05 B	3/62									
127-173	G 11 B	3/00	46,47	H 04 L	5/22		H 03 M	13/00				135,136	H 05 B	1/02									
174,175	G 11 B	5/027	48,49	H 04 L	5/24		G 06 F	11/10				137	F 27 D	1/00									
176,177	G 11 B	3/00	50	H 04 J	4/00		G 11 C	29/00				138	H 05 B	6/02									
178-212	G 11 B	17/04	51	H 04 J	3/20		H 03 M	13/00				139	H 05 B	6/30									
		17/08			15/00		H 03 M	13/00				140,141	F 27 D	7/05									
213,214	G 11 B	19/00	52	H 04 J	15/00		G 06 F	11/10				142,143	F 27 D	3/00									
215-230	G 11 B	17/30	53,54	H 04 Q	11/00		H 03 M	13/12				144	H 05 B	6/44									
		21/02	55	H 04 J	1/10		G 06 F	11/00				145	H 05 B	6/05									
231,232	G 11 B	19/22			3/08		H 04 L	12/00				146	F 27 D	23/04									
233-243	G 11 B	17/00		H 04 Q	11/00		G 06 F	11/00				147-150	H 05 B	6/05									
		19/22	56	H 04 Q	11/00		G 08 C	25/00				151-158	H 05 B	6/22									
		19/24	57	H 04 Q	11/02		H 03 M	13/00				159-165	H 05 B	6/15									
244-257	G 11 B	17/00	58-68	H 04 Q	11/04		H 04 L	1/00				166	H 05 B										
		21/16	68.1,69.1	H 04 J	1/00		G 06 F	11/10															
258-271	G 11 B	23/00	70-72	H 04 J	1/02		H 03 M	13/00															
		25/00	73	H 04 H	1/08		G 06 F	11/10															
272-291	G 11 B	3/70		H 04 J	1/02		H 03 M	13/00															
		5/84	74	H 04 J	1/02		G 06 F	11/00															
		7/26	75	H 04 J	1/10		H 03 M	13/00															
292	G 11 B	5/02	76	H 04 J	1/14		G 06 F	11/00															
		5/10	77	H 04 J	3/00		H 04 L	1/00															
		23/20	78	H 04 J	3/02		G 06 F	11/00															
					7/02		H 03 M	13/00															
			79	H 04 J	3/16		G 06 F	3/02															
			80,81	H 04 J	3/17			11/00															
			82,83	H 04 J	3/16			13/00															
			84	H 04 J	3/22		H 03 M	11/00															
			85	H 04 J	3/02		G 06 F	13/00															
			86-88	H 04 J	3/00		H 11 B	27/00															
			89,90	H 04 J	3/16		H 03 M	13/00															
			91	H 04 J	3/00		H 04 L	7/00															
			92-94	H 04 J	3/24		G 06 F	11/00															
			95,96	H 04 J	3/16		H 03 M	13/00															
			97	H 04 B	3/36		G 06 K	5/00															
				H 04 J	3/00		H 03 M	13/00															
				H 04 J	3/12		G 06 F	11/00															
			98	H 04 J	3/00		H 03 M	13/00															
			99	H 04 J	3/06		G 06 F	7/02															
			100-108	H 04 J	3/00		H 04 L	1/00															
			109	H 04 J	3/00		G 06 F	15/40															
			110.1-111	H 04 J	3/12		H 04 L	1/00															
			112-115	H 04 J	3/04		H 04 L	1/08															
			116,117	H 04 J	3/00		G 06 F	11/10															
			118,119	H 04 J	15/00		G 06 F	11/00															
			120-124	H 04 J	1/00		H 04 L	1/00															
			125	H 04 M	11/06																		
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CONCORDANCE 1990—United States to International Patent Classification

U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 374—Con.			41	H 03 C	5/00	U.S. Class 376			13,14	G 06 M	3/08	129	H 03 K	27/00
				H 04 L	27/02	INDUCED NUCLEAR REACTIONS, SYSTEMS AND ELEMENTS			15	G 07 C	3/00	130	G 06 M	
117-119	G 01 K	11/22	42	H 03 C	5/00				16	G 07 C	3/00		G 07 C	21/00
120	G 01 K	1/16		H 03 D	5/00						3/02		H 03 K	23/00
121-133	G 01 J	5/00		H 03 K	7/10	100-152	G 21 B	1/00	17,18	G 01 M	3/00			25/00
134	G 01 K	1/16			9/10	153-155	G 21 J		19,20	G 01 D				27/00
135	G 01 K	1/16	43	H 03 C	1/52	156	G 21 G	1/00	21	G 01 F	15/00			29/00
		13/10		H 04 L	27/02	157	G 21 G	1/12	22	G 01 G	21/00			
136	G 01 K	13/00	44	H 03 K	7/06	158-189	G 21 G	1/06	23	G 01 P	1/07			
137	G 01 K	3/00			9/06	190-201	G 21 G	1/10	24	G 01 B	7/00			
138	G 01 K	13/02		H 04 L		202	G 21 G	1/00	24.1,24.2	G 01 C	21/00			
139,140	G 01 K	1/12	45-51	H 04 L	27/10	203-206	G 21 C	13/00	25	G 01 K	1/02			
141-157	G 01 K	1/08	52	H 04 L	27/10	207,208	G 21 C	7/00	26	G 06 M	3/00			
		1/14			27/18	209	G 21 C	7/02	27	H 03 K	21/00			
		13/00	53-57	H 04 L	27/10	210,211	G 21 C	7/32	28-32	G 06 M	3/00			
158	G 01 K	1/08	58	H 04 B	15/00	212,213	G 21 C	7/30		H 03 K	21/40	1,2	G 01 M	23/00
159-162	G 01 K	11/00	59	H 04 L	27/04	214	G 21 C	7/00	33-44	H 03 K	21/00		G 01 T	1/00
163-185	G 01 K	7/00			27/12	215-218	G 21 C	7/36	45	G 06 M	3/00	3	H 05 G	1/00
186	G 01 K	1/02			27/20	219-239	G 21 C	7/06	46	H 03 K	23/00	4-27	A 61 B	6/00
		5/70	60	H 04 K	1/02	240-244	G 21 C	7/00		G 06 M	3/00		G 01 M	23/00
187-207	G 01 K	5/00		H 04 L	25/03	245-259	G 21 C	17/00	47-49	H 03 K	23/54		G 21 K	1/12
		9/00			25/49	260-272	G 21 C	19/00		H 03 K	21/00	28-33	H 05 G	1/60
208	G 01 K	1/00	61	H 03 C	1/52	273-276	G 01 J				23/00		B 41 M	5/00
209	G 01 K	1/08		H 04 L	27/04	277-307	G 21 C	9/00	50,51	G 06 M	3/00		G 03 G	13/044
210	G 01 K		62-66	H 03 C	3/00	308-316	G 21 C	19/42	52	H 03 K	21/40	34,35	G 21 K	5/00
				H 03 K	7/06	317-319	G 21 C	23/00		G 06 M	3/00	36	G 03 H	5/00
				H 04 L	27/12				53	H 03 K	23/66	37	A 61 B	6/04
			67	H 04 L	27/20	320-322	G 21 D	7/00	54	H 03 K	21/08	38-40	A 61 B	6/14
U.S. Class 375			68-73	H 04 L	27/04	323-325	G 21 G	1/02	55	G 06 M	3/00	41,42	A 61 B	6/02
PULSE OR DIGITAL COMMUNICATIONS			74	H 03 C	7/00	326	G 21 C	23/00	56	H 03 K	21/08		G 03 C	9/00
			75	H 03 K	9/00	327-339	G 21 C	7/00		G 11 C	19/00		G 21 K	4/00
1	H 04 B	15/00		H 04 L	27/06	340-345	G 21 C	23/00		G 06 M	3/00	43	G 21 K	7/00
	H 04 K	1/00			27/14	346	G 21 C	1/02	57-63	H 03 K	21/02	44-49	G 01 M	23/223
3	H 04 B	3/36	76	H 04 L	25/06	347-355	G 21 C	1/04		H 03 K	21/08		G 01 T	1/36
		7/17			25/10	356-358	G 21 C	1/24	82	G 11 C	19/28	50	G 01 B	15/02
		17/02	77	H 03 D	1/24	359,360	G 21 C	1/22	83	H 03 K	23/46	51	G 01 M	23/223
	H 04 L	25/20	78	H 03 D	3/00	361-382	G 21 C	15/00	84-86	G 06 M	1/00	52	G 01 F	1/66
		25/52		H 03 K	9/06			19/28	87	G 06 M	1/22	53	G 01 M	23/06
3.1	H 04 B	17/02	79	H 03 D	3/00	383-394	G 21 C	3/56		H 03 K	23/46	54-56	G 01 B	15/02
4	H 03 K	11/00		H 03 K	9/10	395-408	G 21 C	15/00	64-81	G 11 C	19/00	57	G 01 M	23/06
	H 04 L	25/60	80	H 04 L	27/14	409-423	G 21 C	3/00	82	G 06 M	1/00	58-61	G 01 F	15/06
		25/64			27/16	424	G 21 C	3/22	83	H 03 K	23/74		G 01 M	23/06
5	H 04 L	25/00			27/22	425	G 21 C	3/00	84-86	G 06 M	1/00	53	G 01 M	23/06
		27/00	81	H 03 D	3/18	426-431	G 21 C	3/30	87	G 06 M	1/22	54-56	G 01 B	15/02
6	H 04 B	13/02			3/24	432	G 21 C	3/36	88	G 06 M	1/28	57	G 01 M	23/04
7,8	H 04 B	1/38	82	H 03 D	3/18	433	G 21 C	3/00	89-92	G 06 M	1/10	58-61	G 01 B	15/06
	H 04 L	5/16	83-87	H 03 D	3/22	434-437	G 21 C	3/32	93	H 03 K	21/00		G 01 M	23/02
9	H 04 B	1/38		H 04 L	27/22	438-442	G 21 C	3/34			23/00	62,63	G 01 M	23/04
	H 04 L	5/16	88-91	H 03 D	3/00	443-449	G 21 C	3/32	94	H 03 K	25/00	64	G 21 K	5/00
		27/10		H 04 L	27/14	450	G 21 C	3/40	95	H 03 K	25/02	65	A 61 M	5/10
10	H 04 B	3/46	92,93	H 03 D	1/00	451,452	G 21 C	3/10	96	H 03 K	25/04	66-68	G 21 K	5/08
		17/00	94-96	H 03 D	1/00	453,454	G 21 C	3/06	97	H 03 K	25/12	69	G 21 K	5/10
	H 04 Q	1/20	97	H 04 L	27/06	455,456	G 21 C	3/00	98	H 03 K	29/00	70-72	G 01 M	23/20
11-16	H 03 H	7/30	98	H 04 L	27/08	457	G 21 C	3/06	99	H 03 K	29/06	73-75	G 01 M	23/207
		7/40	99	H 03 D	1/04	458,459	G 21 C	5/00	100	H 03 K	29/04	76	G 01 M	23/203
17-19	H 03 K	5/159			1/06	460,461	G 21 C	13/00	101	H 03 K	23/76	77,78	G 01 M	23/207
	H 04 L	25/34		H 03 K	5/01	462	G 21 C	3/34	102	H 03 K	23/78	79-81	G 01 M	23/20
		25/49			6/04	463	G 21 C	1/01	103	H 03 K	23/82	82,83	G 01 T	1/36
20	H 04 L	25/49		H 04 B	1/10				104	H 03 K	23/42	84,85	G 21 K	1/06
21	H 03 K	7/00		H 04 L	1/00				105	H 03 K	23/44	86-88	G 01 M	23/201
		9/00			25/08				106	H 03 K	23/40	89,90	G 01 B	15/02
	H 03 M	1/00	100	H 04 B	7/10	U.S. Class 377			107	H 03 K	23/48	91	H 05 G	1/03
22	H 03 K	7/08		H 04 L	1/02	ELECTRICAL PULSE COUNTERS, PULSE			108	H 03 K	23/50	92	H 05 G	1/70
		9/08	101	H 03 D	1/06	DIVIDERS OR SHIFT REGISTERS:			109	H 03 K	23/38	93,94	H 05 G	1/66
23	H 03 K	7/04			11/04	CIRCUITS AND SYSTEMS			110	H 03 K	23/72	95	H 05 G	1/10
		7/06		H 03 K	5/01				111	H 03 K	23/66	96	H 05 G	1/38
		9/04			6/04	1	G 06 M	3/00	112	H 03 K	21/02	97	H 05 G	1/42
		9/06		H 04 B	1/10			7/00	113	H 03 K	21/18	98-100	H 05 G	1/64
24	H 03 K	7/02		H 04 L	1/00			9/00	114	H 03 K	21/20	101,102	H 05 G	1/10
		9/02			25/08	2	G 06 M	3/00	115-117	H 03 K	21/08	103	H 05 G	1/24
25,26	H 04 B	14/04	102-105	H 04 B	1/10			11/00		H 03 K	21/16	104	H 05 G	1/12
27-33	H 04 B	14/06	106-109	H 04 L	7/00				118	H 03 K	21/00	105	H 05 G	1/20
34	H 04 B	1/10	110	H 04 L	7/02	3	G 06 M	3/00	119,120	H 03 K	23/50	106	H 05 G	1/22
		14/04	111	H 04 L	7/04	4	G 06 M	15/28	121	H 03 K	23/52	107	H 05 G	1/14
35	H 04 L	27/00	112	H 04 L	7/00	5	G 06 F	71/06	122	H 03 K	23/60	108	H 05 G	1/34
36	H 04 B	3/00	113	H 04 L	7/06		A 63 B	15/20	123	H 03 K	23/56	109,110	H 05 G	1/50
	H 04 L	25/00	114-116	H 04 L	7/00		A 63 D	1/18		H 03 K	23/62	111,112	H 05 G	1/32
37	H 04 L	27/00	117	H 04 L	25/38		A 63 F	7/00	124	H 03 K	23/54	113	H 05 G	1/52
38	H 04 K	1/10	118	H 04 L	7/00	6-9	G 06 M	9/00	125	H 03 K	23/56	114	H 05 G	1/56
	H 04 L	27/28			25/36			11/00			23/62	115,116	H 05 G	1/54
39	H 04 L	5/12			25/40	10	G 06 M	11/02	126	H 03 K	23/40			1/58
		23/02	119,120	H 03 D	3/24	11	G 06 M	11/04	127	H 03 K	23/86	117,118	H 05 G	1/54
40	H 04 B	7/02	121	H 04 L	23/00	12	G 06 M	11/02	128	H 03 K	23/84	119,120	G 21 G	4/00
	H 04 L	1/02	122	H 04 B	1/66						23/80		H 01 J	35/00
													H 05 H	

CONCORDANCE 1990—United States to International Patent Classification

U.S. Class 378—Con.			U.S. Class 379			U.S. Class 380			U.S. Class 381			U.S. Class 382			U.S. Class 383			U.S. Class 384		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
121-122	H 01 J	35/00	177-187	H 04 M	13/00	23 1	H 04 R	5/00	21,22	G 06 K	9/48	93-97	B 65 D	33/16	171-181	G 03 B	42/02	1	F 16 C	32/00
		35/22	188-198	H 04 M	3/00	24-28	H 04 R	5/00	23	G 06 K	9/46	182-188	G 03 B	42/02	2-6	F 16 C	32/02	2-6	F 16 C	32/02
		35/32	199-200	H 04 M	1/66	29-35	G 10 L	3/02	24-26	G 06 K	9/46	189	H 01 J	31/49	7	F 16 C	17/00	7	F 16 C	17/00
123	H 01 J	35/20	201-218	H 04 M	3/42	36	G 10 L	5/00	27	G 06 K	9/56	190	G 21 K	4/00	8,9	F 16 C	29/00	8,9	F 16 C	29/00
124	H 01 J	35/08	219-241	H 04 M	7/00	37,38	G 10 L	7/02	28	G 06 K	9/52	191	A 61 B	6/14	10	F 16 C	29/00	10	F 16 C	29/00
125-133	H 01 J	35/10	242-332	H 04 M	3/00	39	G 10 L	9/02	29	G 06 K	9/46	192	A 61 B	6/04	11	F 16 C	29/00	11	F 16 C	29/00
		35/24	333-337	H 04 M	3/00	40	G 10 L	9/04	30	G 06 K	9/62	193	H 05 G	1/02	12	F 16 C	29/00	12	F 16 C	29/00
		35/26	338-349	H 04 M	1/00	41	G 10 L	5/00	31	G 06 K	9/76	194	H 05 G	1/06	13,14	F 16 C	33/00	13,14	F 16 C	33/00
134	H 01 J	35/06			7/00	42-45	G 10 L	5/06	32	G 06 K	9/74	195-198	H 05 G	1/02	15,16	F 16 C	33/00	15,16	F 16 C	33/00
135	H 01 J	35/04	350-386	H 04 M	1/00	46,47	G 10 L	3/00	33	G 06 K	9/64	199,200	H 01 J	35/10	17	A 47 B	1/10	17	A 47 B	1/10
136	H 01 J	35/06	387-397	H 04 M	1/00	48	G 10 L	5/00	34	G 06 K	9/68			35/12	18-23	A 47 B	88/00	18-23	A 47 B	88/00
137	H 01 J	35/30	398	H 04 M	7/04	49	G 10 L	7/02	35	G 06 K	9/68			1/04	24	F 16 C	35/00	24	F 16 C	35/00
138	H 01 J	35/14	399-413	H 04 M	1/00	50	G 10 L	9/02	36	G 06 K	9/62			35/12	25	F 16 C	31/03	25	F 16 C	31/03
139	H 01 J	35/02	414-417	H 04 M	1/76	51,52	G 10 L	5/02	37,38	G 06 K	9/68			1/04	26	F 16 C	17/00	26	F 16 C	17/00
140	H 01 J	5/18	418	H 04 M	3/00	53	G 10 L	9/10	39	G 06 K	9/72			35/16	27	F 16 K	21/00	27	F 16 K	21/00
		35/18	419-440	H 04 M	1/00	54	G 10 L	9/10	40	G 06 K	9/72			1/00	28	F 16 C	29/00	28	F 16 C	29/00
141,142	H 01 J	35/10	441-456	H 04 M	1/00	55	G 10 L	9/04	41	G 06 K	9/76			1/00	29-32	F 16 C	29/02	29-32	F 16 C	29/02
		35/12	457	H 04 M	7/00	56	G 10 L	9/04	42	G 06 F	15/336			1/00	33	B 66 B	7/04	33	B 66 B	7/04
143	H 01 J	35/08			9/00	57	G 10 L	9/04	43	G 06 F	15/332			1/00	34	A 47 C	17/26	34	A 47 C	17/26
144	H 01 J	35/10			9/00	58-60	H 04 R	29/00	44-46	G 06 K	9/32			1/00	35	F 16 C	41/00	35	F 16 C	41/00
145	G 21 K	1/00			9/00	61-65	H 03 G	3/00	47	G 06 K	9/42			1/00	36	F 16 C	27/00	36	F 16 C	27/00
146	G 21 K	5/10			9/00	66	H 04 B	3/20	48	G 06 K	9/20			1/00	37	F 16 C	23/04	37	F 16 C	23/04
147-149	G 21 K	1/02			9/00	67	A 61 B	7/04	49	G 06 K	9/54			1/00	38	F 16 C	33/02	38	F 16 C	33/02
150-153	G 21 K	1/04			9/00	68-69,2	H 04 R	25/00	50-53	G 06 K	9/38			1/00	39	F 16 C	33/02	39	F 16 C	33/02
154,155	G 21 K	1/00			9/00	70	A 61 F	2/20	54	G 06 K	9/40			1/00	40	F 16 C	33/00	40	F 16 C	33/00
156-159	G 21 K	3/00			9/00	71	A 61 F	11/06	55	G 06 K	9/44			1/00	41	F 16 C	33/00	41	F 16 C	33/00
160	G 21 K	1/04			9/00	72	A 61 F	11/06	56	G 06 K	9/36			1/00	42	F 16 C	33/00	42	F 16 C	33/00
161	G 21 K	1/00			9/00	73.1	H 04 R	3/02	57	G 06 K	9/46			1/00	43	F 16 C	33/00	43	F 16 C	33/00
162-166	H 05 G	1/28			9/00	74	H 04 R	1/10	58	G 06 K	9/03			1/00	44	F 16 C	33/00	44	F 16 C	33/00
167	G 03 B	42/02			9/00	75	H 04 R	27/04	59	G 06 K	9/03			1/00	45	F 16 C	33/00	45	F 16 C	33/00
	G 03 C	5/16			9/00	76	H 04 R	27/00	60	G 06 K	9/03			1/00	46	F 16 C	33/00	46	F 16 C	33/00
168-170	A 61 B	6/14			9/00	77,78	H 04 B	3/00	61	G 06 K	9/03			1/00	47	F 16 C	33/00	47	F 16 C	33/00
	G 03 B	42/02			9/00	79	H 04 B	5/00	62,63	G 06 K	9/03			1/00	48	F 16 C	33/00	48	F 16 C	33/00
	G 03 C	5/16			9/00	80,81	H 04 B	3/00	64	G 06 K	9/03			1/00	49	F 16 C	33/00	49	F 16 C	33/00
171-181	G 03 B	42/02			9/00	82-85	H 04 R	27/00	65	G 06 K	9/03			1/00	50-58	F 16 C	33/00	50-58	F 16 C	33/00
182-188	G 03 B	42/02			9/00	86	H 04 B	1/00	66	G 06 K	9/03			1/00	59	F 16 C	33/00	59	F 16 C	33/00
189	H 01 J	31/49			9/00	87-91	H 04 R	1/02	67,68	G 06 K	9/03			1/00	91	F 16 C	33/00	91	F 16 C	33/00
		31/50			9/00	92	H 04 R	3/00	69	G 06 K	9/03			1/00	92	F 16 C	33/00	92	F 16 C	33/00
190	G 21 K	4/00			9/00	93,94	H 04 B	15/00						1/00	93	F 16 C	33/00	93	F 16 C	33/00
191	A 61 B	6/14			9/00	95,96	H 04 R	3/00						1/00	94	F 16 C	33/00	94	F 16 C	33/00
192	A 61 B	6/04			9/00	97	H 03 G	5/00						1/00	95	F 16 C	33/00	95	F 16 C	33/00
	G 21 K	4/00			9/00	98-101	H 03 G	5/00						1/00	96	F 16 C	33/00	96	F 16 C	33/00
193	H 05 G	1/02			9/00	102	H 03 G	9/00						1/00	97,98	F 16 C	33/00	97,98	F 16 C	33/00
194	H 05 G	1/06			9/00	103	H 03 G	5/00						1/00	99	F 16 C	33/00	99	F 16 C	33/00
195-198	H 05 G	1/02			9/00	104,105	H 03 G	3/00						1/00	100	F 16 C	33/00	100	F 16 C	33/00
199,200	H 01 J	35/10			9/00	106	H 03 G	7/00						1/00	101,102	F 16 C	33/00	101,102	F 16 C	33/00
		35/12			9/00	107-109	H 03 G	3/00						1/00						
201,202	H 05 G	1/04			9/00	110	H 03 G	3/20						1/00						
203	H 01 J	35/16			9/00	111-117	H 04 R	3/00						1/00						
204	H 05 G	1/00			9/00	118	G 10 H	1/00						1/00						
205,206	A 61 B	6/08			9/00	119	H 04 B	1/00						1/00						
207	G 01 D	18/00			9/00	120,121	H 03 F	21/00						1/00						
208	H 05 G	1/00			9/00	122	H 04 R	3/00						1/00						
209	A 61 B	6/04			9/00	123	H 02 B	1/00						1/00						
210	H 05 G	1/00			9/00	124	H 04 B	1/00						1/00						
					9/00	150-205	H 04 R	25/00						1/00						
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CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 384—Con.			447	F 16 C	19/50	614	F 16 C	33/40			11/48	135-138.6	B 41 J	3/38
103-124	F 16 C	32/06	448	F 16 C	32/00	615	F 16 C	33/46			17/00	139	B 41 J	3/24
125	F 16 C	33/02	449	F 16 C	13/00	616	F 16 C	23/00			19/68		B 41 J	1/00
		33/22			35/00			25/00			25/24			2/25
126-128	F 16 C	21/00	450	F 16 C	19/00	617	F 16 C	33/02	50-52	B 41 B	27/26	140-145.2	B 41 J	1/08
129	F 16 C	17/00	451	F 16 C	19/50	618,619	F 16 C	19/30	53	B 41 J	11/20	146	B 41 J	1/20
130-153	F 16 C	33/74	452-455	F 16 C	19/54	620	F 16 C	23/00	54	B 41 J	29/38	147,148	B 41 J	1/08
154-156	F 16 C	7/00	456	F 16 C	19/04			25/00	55-60	B 41 J	11/20	149-151.1	B 41 J	1/50
		11/00			19/24			33/34	61	B 41 J	5/30	152	B 41 J	1/46
157	F 16 C	13/00	457,458	F 16 C	9/00			43/04			5/40	153	B 41 J	9/00
158	B 61 F	15/00	459	B 61 F	15/12	621	F 16 C	33/46			9/44			9/02
158.1,159	F 16 C	17/00	460	F 16 C	13/00			33/58		G 06 F	11/00			9/14
		33/00	461-475	F 16 C	19/00	622	F 16 C	33/58		G 06 K	3/00			9/38
160-162	B 61 F	17/00	476	F 16 C	19/50	623	F 16 C	33/46			7/00			11/18
163	B 61 F	17/04	477-479	F 16 C	33/76	624	F 16 C	41/00	62-69	B 41 J	5/30	154	B 41 J	9/00
164	B 61 F	17/06	480	F 16 C	33/80	625-627	F 16 C	33/00			5/40			9/02
165	B 61 F	17/04	481-489	F 16 C	33/76					G 06 F	11/00			9/14
166	B 61 F	17/14	490	F 16 C	19/04					G 06 K	3/00			9/38
167	B 61 F	17/18	491	F 16 C	33/32				70	B 41 J	7/00			9/44
168	B 61 F	17/14	492	F 16 C	33/32						3/42			11/18
169	B 61 F	17/24			33/62	U.S. Class 388					5/30	154.1-159	B 41 J	9/00
170	F 16 C	33/66	493	F 16 C	33/04	ELECTRICITY, MOTOR CONTROL SYSTEMS					9/44			9/02
171-174	B 61 F	17/08	494	F 16 C	19/49	800	H 02 P	5/00	71-75	B 41 J	21/17			9/14
175,176	B 61 F	17/06	495-498	F 16 C	23/04	801	H 02 P	5/06			3/42			9/38
177-180	B 61 F	17/22			23/08	802	H 02 P	5/00	76	B 41 J	5/30	160-170	B 41 J	11/18
181	B 61 F	17/06	499-506	F 16 C	33/60	803,804	H 02 P	5/06	77-81	B 41 J	11/44			1/34
182-187	B 61 F	15/00	507-511	F 16 C	43/06	805	H 02 P	5/06			3/44			1/36
188	B 61 F	15/14	512	F 16 C	19/50			5/06	82	B 41 J	5/52			1/50
189-190.7	B 61 F	15/26	513-516	F 16 C	33/58	806	H 03 D	13/00	83-85	B 41 J	3/54			7/30
191-191.4	B 61 F	15/02	517,518	F 16 C	33/66			1/10	86,87	B 41 J	3/46			7/34
192-214	F 16 C	23/04	519	F 16 C	23/00	807	H 02 P	5/08	88	B 41 J	5/00			7/48
		23/08			25/00	808	H 02 P	5/178			3/36			7/54
215-219	F 16 C	25/04	520-522	F 16 C	19/20	809,810	H 02 P	5/165	89,90	B 41 J	3/39			7/62
220-222	F 16 C	27/00			33/37	811	H 02 P	5/17			7/54			7/64
223-225	F 16 C	27/06	523,524	F 16 C	33/38	812-814	H 02 P	5/165	91	B 41 J	7/66			7/92
226	F 16 C	27/08	525	F 16 C	33/42			13/00			2/00	171-175	B 41 J	9/34
227	F 16 C	17/04	526,527	F 16 C	33/44	815	H 03 D	13/00	92-94	B 41 J	3/26			1/56
		35/08	528-530	F 16 C	33/38			1/10	95-99	B 41 J	2/00			23/20
228-238	F 16 C	17/10	531,532	F 16 C	33/41	816	H 02 P	5/168			7/90	176-183	B 41 J	23/22
239	F 16 C	17/04	533,534	F 16 C	33/38	817,818	H 02 P	5/168	100-102	B 41 J	5/06			23/24
240	F 16 C	17/08	535,536	F 16 C	27/00	819	H 02 P	5/17	103	B 41 J	2/00			23/26
241	F 16 C	17/04	537-542	F 16 C	43/00	820	H 02 P	5/165			5/00	184	B 41 J	23/34
242	F 16 C	19/00	543-547	F 16 C	13/00			13/00	104-108	B 41 J	5/00	185-187	B 41 J	23/36
243-246	F 16 C	17/04	548	F 16 C	19/24	821-823	H 03 D	13/00	109	B 41 J	2/00	188	B 41 J	3/60
247-260	F 16 C	23/00	549	F 16 C	13/00			5/168			3/01			3/62
261-274	F 16 C	25/00	550	F 16 C	19/50	824	H 02 P	5/168			5/00			17/00
275	F 16 C	17/00	551-555	F 16 C	19/40	825	H 02 P	7/00	110,111	B 41 J	5/00	189,190	B 41 J	17/00
276-281	F 16 C	33/02	556	F 16 C	43/04	826	H 02 P	7/06	112	B 41 J	2/00	191	B 41 J	31/00
282-285	F 16 C	33/02	557	F 16 C	19/24	827	H 02 P	7/18			19/16	192	B 41 J	33/34
		33/24	558	F 16 C	23/04	828	H 02 P	7/285	113-115	B 41 J	19/16	193	B 41 J	35/02
286-293	F 16 C	33/10			23/08	829	H 02 P	7/29	116	B 41 J	2/00	194-196.1	B 41 J	32/00
294	F 16 C	9/02	559-562	F 16 C	43/04	830	H 02 P	7/285			3/34			33/10
295,296	F 16 C	33/02	563	F 16 C	23/10	831	H 02 P	7/29	117	B 41 J	11/40	197-202.4	B 41 J	27/12
297-300	F 16 C	33/18	564	F 16 C	33/58	832	H 02 P	7/285	118,119	B 41 J	2/00			31/14
		33/20	565-568	F 16 C	33/34	833	G 05 F	1/10			2/02			31/16
301	F 16 C	33/02	569-571	F 16 C	33/58			7/288			2/06	203	B 41 J	33/08
302	F 16 C	17/00	572	F 16 C	33/48	834-837	H 02 P	7/285			2/07	204-206.4	B 41 J	33/12
303-308	F 16 C	17/04	573	F 16 C	33/54	838-841	H 02 P	7/288			2/25			35/02
309-312	F 16 C	17/00	574	F 16 C	33/52	842	H 02 P	1/00			2/45			35/03
313-316	F 16 C	3/14	575	F 16 C	33/54	843-850	H 02 P	1/04			27/16			35/22
		33/66	576	F 16 C	33/56	851,852	H 02 P	1/08	120	B 41 J	2/00			35/32
		37/00	577-580	F 16 C	33/46	853	H 02 P	1/04			2/02			35/34
317-321	F 16 C	3/16	581,582	F 16 C	27/04	854	G 05 F	1/10			2/06	207-208.1	B 41 J	35/28
		37/00	583	F 16 C	23/00			1/04			2/07	209,210	B 41 J	31/00
322	F 16 C	1/00			25/00	855	H 02 P	1/08			2/25	211-217.1	B 41 J	33/54
		1/24	584,585	F 16 C	43/04	856-858	H 02 P	1/10			2/46			33/56
		3/14	586-589	F 16 C	13/00	859	H 02 P	1/08			27/16			35/03
		5/00			35/00	860	H 02 P	1/06			2/00			35/08
		33/10	590	F 16 C	19/10				121-125.1	B 41 J	2/02			35/10
		33/16			19/30	U.S. Class 400					2/06			35/12
368-415	F 16 C	1/24	591-593	B 62 D	53/08	TYPEWRITING MACHINES					2/07			35/14
		3/14	594	B 61 F	5/16						2/25			35/18
		5/00	595-602	B 61 F	5/14	1-15	B 41 B	1/04			2/45			35/20
		33/10	603	F 16 C	35/08			13/04	126	B 41 J	27/16			35/22
		33/16	604-606	F 16 C	19/10			13/06			2/02	218-222	B 41 J	33/40
416	F 16 N	1/00			19/30			19/64			2/03			33/42
	F 16 C	13/00	607	F 16 C	33/76			3/00			2/06			33/44
		35/00	608	F 16 C	19/10	16-22	B 41 J	29/26			2/07			33/46
417	F 16 H	55/00			19/30			29/28			2/25			33/48
418,419	F 16 C	13/00	609,610	F 16 C	19/10			29/30			2/45			33/50
		35/00	611	F 16 C	27/04			3/28			27/16			33/51
420-427	F 16 C	17/04	612	F 16 C	19/10	23-49	B 41 J	11/06	127-134.6	B 41 J	1/54			33/512
428-444	F 16 C	35/00			23/08									
445,446	F 16 C	19/00	613	F 16 C	19/00									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 400—Con.			365-382	B 41 J	23/00			11/52			29/12	55	B 43 K	21/02
		33/514			23/04			17/08			29/16			21/027
		33/516			23/06	595-604	B 41 J	11/48	716	B 41 J	29/18	56	B 43 K	
		33/518			23/08			11/54			11/62	57	B 43 K	21/14
223-236 2	B 41 J	33/518			23/14			13/10			29/00			21/20
		33/14	383-384	B 41 J	7/00	605-610.4	B 41 J	11/50			29/12	58,59	B 43 K	21/02
		33/16	385-389	B 41 J	7/20			11/52			29/16	60,61	A 45 D	40/00
		33/18	390-393	B 41 J	7/32			13/10			29/18		B 43 K	29/02
		33/20	394-397	B 41 J	7/20			13/26			29/19	62	B 43 K	21/02
		33/22	398-407	B 41 J	7/18			15/04	717	B 41 J	11/62	63,64	B 43 K	21/10
		33/24	408-421	B 41 J	7/00			15/18			29/00	65	B 43 K	21/16
		33/26	422-434.3	B 41 J	7/02			15/20			29/12	66	B 43 K	21/18
		33/28			7/08	611-621.2	B 41 J	11/26			29/16	67	B 43 K	21/16
		33/30	435	B 41 J	7/30			11/27			29/18	68,69	A 45 D	40/04
		33/32	436-440.2	B 41 J	7/26			11/28	718	B 41 J	11/62			40/06
		33/34	441-451	B 41 J	7/22			11/30			29/00		B 43 K	21/08
		33/36	452-453	B 41 J	7/24			11/32			29/12	70	A 45 D	40/04
		33/38	454-455	B 41 J	29/10			11/52			29/15			40/06
		33/382	456-461	B 41 J	7/00			11/66			29/16		B 43 K	21/12
		33/384	462-468	B 41 J	1/02			11/68	718.1,718.2	B 41 J	11/62	71	A 45 D	40/04
		33/386			1/58			11/70			29/00	72	B 43 K	21/08
		33/388	469	B 41 J	1/02			15/02			29/12	73,74	A 45 D	40/04
237-241.4	B 41 J	31/09	470-471.1	B 41 J	27/02			15/08			29/16			40/06
		33/00	472-495.1	B 41 J	5/08			15/10			29/18		B 43 K	21/08
		33/02			5/10			15/16	719	B 41 J	29/00	75-78	B 43 K	21/08
		33/04			5/12			15/24				79	A 45 D	40/04
		33/06			5/14	622,623	B 41 J	13/24					B 43 K	21/08
		33/08			5/16	624-629	B 41 J	11/58				80	B 43 K	21/08
		33/10			5/26			13/10				81	A 45 D	40/10
		33/12			5/28	630-633.2	B 41 J	13/26					B 43 K	21/00
242-246	B 65 H	75/00	496	B 41 J	5/08			13/30					B 43 K	21/00
247-250	B 41 J	33/32			5/10	634-637.1	B 41 J	13/02				82-85	B 43 K	21/00
		33/36			5/12			13/08				86,87	A 45 D	40/02
		35/04			5/14	637.2-637.5	B 41 J	13/02	1,2	A 46 B	11/08			40/06
		35/26			5/16			13/042		A 47 L	13/32		B 43 K	21/00
251-257	B 41 J	25/24			5/26			13/08		A 47 M	1/02	88	A 45 D	40/20
258-260	B 41 J	23/30			5/28	637.6-641	B 41 J	13/02	3	A 46 B	11/08		B 43 K	23/00
		23/38			29/12			13/08	4,5	A 46 B	11/00	89-91	B 43 K	23/00
261-267	B 41 J	25/24	497-507	B 41 J	17/00	642-647.1	B 41 J	13/10		B 05 C	11/10	92-94	B 43 K	21/22
268	B 41 J	25/24			17/06			13/12		B 43 K	5/02	95	B 43 K	23/00
		25/304	508-512	B 41 J	17/22			13/14			5/18	96	B 43 K	19/02
		25/34			17/24			13/16			7/10			19/66
269-271	B 41 J	25/24	513-520	B 41 J	17/06			13/18	6	A 46 B	5/02			19/14
272,273	B 41 J	25/08			17/08	648-662	B 41 J	11/02	7	A 46 B	5/04	97	B 43 K	19/14
274-276.2	B 41 J	5/20			17/10			11/04	8	A 46 B	5/02	98	B 43 K	23/00
277,278	B 41 J	29/54			17/12			11/08	9	A 46 B	15/00	99-109	B 43 K	5/16
279-282	B 41 J	21/16			17/14			11/10	10-12	A 46 B	11/00			7/12
283	B 41 J	19/00			17/16			11/14			15/00			24/02
		25/34			17/18	663-678	B 41 J	5/22	13	A 47 L	13/26	110,111	B 43 K	5/16
		21/08			17/20			29/54	14	A 46 B	15/00			24/02
284	B 41 J	21/14			17/22			29/56			17/08	112-115	B 43 K	5/16
285-286.3	B 41 J	21/06			17/24			29/58	15	A 46 B	15/00			7/12
287-293	B 41 J	21/08			17/26			29/60	16	A 46 B	11/00			24/02
		21/02			17/28			29/62		A 47 L	13/12	116	B 43 K	5/16
294-298	B 41 J	21/04			17/30			29/64	17	B 05 C	1/00			24/02
		29/30			17/32			29/66	18-20	B 43 K	27/02	117	B 43 K	7/12
300-302	B 41 J	25/20			17/34			29/68	21	A 47 L	11/08	118-120	A 46 B	11/00
303-307.2	B 41 J	19/32			17/36			29/70			13/12	121,122	A 46 B	11/00
		19/58			17/38			29/00	22-25	A 47 L	1/08			17/03
		19/60			17/40	679	B 41 J	29/377			13/12	123-127	A 46 B	11/00
308-312	B 41 J	19/62			17/42	680-685	B 41 J	11/56	26,27	A 47 L	13/12	128	B 43 K	11/00
313-318	B 41 J	19/68	521-544	B 41 J	13/12			29/06	28	A 46 B	11/00	129	A 46 B	11/00
		19/70			13/18	686,687	B 41 J	19/08			11/06	130	A 45 D	33/00
319	B 41 J	19/00	545	B 41 J	19/76			19/10		A 61 H	7/00	131	B 43 K	23/02
320,320.1	B 41 J	25/304	546-548	B 41 J	11/48	688	B 41 J	29/00	29-33	B 43 K	27/00	132-135	B 43 K	5/14
321	B 41 J	19/00	549	B 41 J	25/14	689-690.4	B 41 J	29/08	34,35	B 43 K	27/04	136	A 47 L	1/08
322,323	B 41 J	19/30	550	B 41 J	11/36			29/10			27/08			13/22
323.1	B 41 J	19/18	551	B 41 J	19/14	691	B 41 J	3/39	36	A 46 B	11/06			13/26
324-326	B 41 J	19/00	552	B 41 J	11/02			29/02	37	A 47 L	13/26			13/30
327	B 41 J	19/16	553	B 41 J	25/16			29/12	38	A 46 B	11/00	137	A 47 L	1/08
328,328.1	B 41 J	19/20	554	B 41 J	11/20	692-694	B 41 J	29/02		A 47 L	23/04			13/22
		19/26	555-567	B 41 J	19/96	695-700	B 41 J	11/60	39	A 46 B	11/00			13/26
329-332.6	B 41 J	19/40	568	B 41 J	19/92			29/00	40,41	B 43 K	5/02			13/30
		19/42	569-577	B 41 J	19/76			29/36	42,43	A 46 B	11/06			11/02
		19/44			19/78	701	B 41 F	35/00	44,45	A 46 B	11/00	138	A 47 L	1/08
		19/46			19/80			29/17	46	A 46 B	11/06			13/22
		19/48			19/82	702,702.1	B 41 F	35/00	47	A 46 B	11/00			13/26
333-333.3	B 41 J	19/54			19/84	703-712	B 41 J	29/18	48	A 46 B	11/00			13/30
334-334.3	B 41 J	19/66			19/86			29/20			17/02	139	A 47 L	13/26
335	B 41 J	19/56	578	B 41 J	13/00			29/24	49	B 43 K	19/00			13/30
336,336.1	B 41 J	19/36			15/00			29/42	50,51	B 43 K	29/06	140	A 46 B	11/00
337-341	B 41 J	19/02	579-583.4	B 41 J	11/42			29/44	52	B 43 K	25/00	141,142	B 43 K	7/03
342-351	B 41 J	29/42			11/44			29/46			29/00			7/10
352-358	B 41 J	11/22			11/46			29/62	53	B 43 K	21/02	143,144	B 43 K	5/02
359-364	B 41 J	23/32	584-585.1	B 41 J	11/50	713-715	B 41 J	11/62			21/04	145	B 43 K	5/04
		23/36	586-594.1	B 41 J	11/48			29/00	54	B 43 K	21/02	146	B 43 K	5/02

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 401—Con.														
147	B 43 K	7/10	261	A 47 L	13/30	10	B 25 G	3/00	59	F 16 B	7/06	164,165	F 16 D	1/12
	B 43 M	11/02		B 43 K	5/00		F 16 B			F 16 C	7/10		F 16 B	3/00
148-150	B 43 K	5/18		B 43 M	11/06	11	F 16 L	45/00		F 16 G	11/00	166	F 16 B	7/10
151	B 43 K	5/10	262	B 43 K	9/00		B 25 G	3/00	60	F 16 B	11/12	167,168	F 16 B	7/08
152-170	B 43 K	5/04	263,264	A 47 L	13/30		F 16 D	1/00		F 16 B	7/06			9/00
171	B 05 C	17/01		B 43 K	5/18	12	F 16 G	11/00	61	F 16 G	11/12	169-178	F 16 B	1/00
		17/015		B 43 M	11/06		B 65 D	59/00	62	F 16 C	11/00		F 16 D	3/00
	B 43 K	5/06	265	B 43 K	1/06		F 16 B			F 16 C	11/00		F 16 L	41/00
172-177	B 43 K	5/05	266	B 05 C	11/00		F 16 G	11/00	63	F 16 B	7/10	179-185	F 16 B	
178	B 43 K	5/10	267	B 43 K	1/04	13,14	F 16 L	35/00	64	F 16 B	7/10		F 16 D	1/00
179-182	B 43 K	5/06	268	A 46 B	11/00		B 25 G	3/00		F 16 B	11/00	186-188	F 16 B	7/08
183-186	B 43 M	11/06	269	A 46 B	17/04		F 16 B			F 16 C	11/00			9/00
187,188	A 46 B	11/02	270	A 46 B	11/04		F 16 D	1/00	65	F 16 B	12/44		F 16 L	41/00
	B 43 K	5/02		A 47 L	13/22	15	F 16 G	11/00		F 16 C	11/00	189-191	F 16 B	7/08
189	B 43 K	5/02	271-274	A 46 B	11/04		F 16 B		66,67	F 16 B	7/10		F 16 L	41/00
190	A 46 B	5/02	275-288	A 46 B	11/04		F 16 L	17/00		F 16 C	11/00	192-201	F 16 B	9/00
		11/02		A 47 L	13/22			29/00		F 16 D	1/12		F 16 L	41/00
	B 05 C	17/005	289	A 46 B	11/06	16-22	B 25 G	3/00			3/00	202-204	E 21 B	19/16
191	A 46 B	11/00		A 47 L	13/22		E 21 B	19/16	68-71	F 16 B	9/00		F 16 B	
192	B 43 K	5/12	290	A 46 B	11/00		F 16 B			F 16 C	11/00		F 16 D	1/00
		7/06	291	A 47 L	13/22		F 16 D	1/00		F 16 D	1/12			3/00
193	B 43 K	29/00	292	A 46 B	11/04	23	F 16 B	11/00	72,73	F 16 C	11/00	205	F 16 B	1/00
194	B 43 K	5/12		A 47 L			F 16 D	1/00		F 16 D	1/12			9/00
		7/06		B 43 K				3/84			3/00		F 16 L	41/00
195	B 43 K	29/00		B 43 M			F 16 L	11/12	74	F 16 C	11/06	206-216	F 16 B	
196	B 05 C	21/00				24,25	F 16 B			F 16 D	1/12		F 16 G	11/00
	B 43 K	5/00					F 16 D	1/00			3/00	217-219	F 16 B	
		8/02						3/00	75-77	F 16 C	11/00		F 16 D	1/00
		8/04				26	F 16 B	7/00		F 16 D	1/12			3/00
		8/14					F 16 C	32/00			3/00		F 16 G	11/00
		8/16					F 16 D	1/12	78	F 16 D	1/12	220-229	F 16 B	
		8/22				27	B 25 G	3/00			3/00		F 16 D	1/00
		8/24					F 16 B		79	F 16 C	11/00	230-233	B 25 G	3/00
	B 43 M	11/06	1-6	B 42 F	3/00		F 16 D	1/00		F 16 D	1/12		F 16 B	7/08
197	B 05 C	1/00	7		13/40		F 16 B	11/00	80	F 16 B	7/10			9/00
		17/025	8-13	B 42 F	13/00	28-30	F 16 C	9/00	81-83	F 16 B	7/10	234	B 25 G	3/00
		17/03		B 42 F	3/00		F 16 D	1/00		F 16 D	1/12		F 16 B	7/08
		17/035	14-18	B 42 F	13/06		F 16 G	11/00	84-89	F 16 C	11/00		F 16 L	41/00
198	B 43 K	8/20	19-23	B 42 F	3/02	31	F 16 B	3/80		F 16 D	1/12	235,236	B 25 G	3/00
	B 43 K	5/00		B 42 F	13/08		F 16 D		90	F 16 C	11/06		F 16 B	9/00
		8/06	24-26	B 42 F	13/02		F 16 L	17/00		F 16 D	1/12		F 16 L	41/00
199	B 43 M	11/06	27,28	B 42 F	3/04	32	E 21 B	19/16		F 16 C	11/00	237	B 25 G	3/00
	B 43 K	5/00		B 42 F	13/16		F 16 B		91-103	F 16 D	1/12		F 16 B	7/08
		8/08	29-45	B 42 F	3/04		F 16 G	11/00		F 16 D	3/00		F 16 L	41/00
200	B 43 M	11/06	46-56	B 42 F	13/20	33	F 16 C	11/00	104-108	F 16 B	7/10	238-264	B 25 G	3/00
	A 45 D	33/02		B 42 F	13/30		F 16 D	1/12		F 16 D	1/12		F 16 B	9/00
	B 05 C	19/04	57	B 42 F	3/06			3/00	109	F 16 B	7/10	265-272	B 25 G	3/34
		19/06		B 42 F	13/04	34	F 16 B		110	F 16 D	1/12		F 16 B	11/00
201	A 47 K	7/02	58,59	B 42 F	3/00		F 16 D	3/80	111	F 16 C	11/00			12/04
	B 43 K	8/10		B 42 F	13/12		F 16 L	17/00		F 16 D	3/00		F 16 L	13/00
202-206	B 43 K	5/00	60-69	B 42 F	3/00	35,36	F 16 C	11/00	112	F 16 B	7/10	273	F 16 B	4/00
207	B 43 K	8/12		B 42 F	13/12		F 16 D	3/00		F 16 D	1/12	274	B 25 G	3/28
	B 43 M	11/06		B 42 F	13/36						3/00		F 16 B	
208	B 05 C	17/02	70-72	B 42 F	3/00	37	F 16 B		113	F 16 C	11/00		F 16 G	11/00
		21/00		B 42 F	13/12		F 16 D	3/80		F 16 D	1/12	275	F 16 B	11/05
	B 43 M	11/02	73-80	B 42 F	13/00		F 16 L	17/00		F 16 C	11/00	276-285	B 25 G	3/28
209	B 43 K	7/00	500-502	B 42 F	3/00	38,39	F 16 C	11/00			3/00		F 16 B	
		7/03		B 42 F	13/00		F 16 D	1/12	114,115	F 16 C	11/06		F 16 G	11/00
210	B 43 K	7/02	503	B 42 F	11/04			3/00		F 16 D	1/12	286-288	B 25 G	3/00
211,212	B 43 K	7/10			13/00	40	B 25 G				3/00		F 16 B	
213	B 43 K	9/00					F 16 B		116,117	F 16 C	11/00		F 16 D	1/00
214-216	B 43 K	7/10					F 16 D	1/00		F 16 D	1/12		F 16 G	11/00
217	B 43 K	7/02				41	B 25 G	3/00			3/00	289,290	B 25 G	3/24
218-220	B 43 M	11/02					F 16 B		118	F 16 B	7/18		F 16 B	2/02
221	B 43 K	5/00					F 16 D			F 16 C	11/00			7/04
222-224	B 43 K	5/02					F 16 L			F 16 D	1/12		F 16 D	1/00
225-229	B 43 K	5/18				42	F 16 B				3/00	291	F 16 B	
230	B 43 K	5/10					F 16 D		119,120	F 16 C	11/00		F 16 D	1/00
231	B 43 K	1/02	1	B 60 B	27/00		F 16 D			F 16 D	1/12		F 16 G	11/00
		5/00		F 16 D	1/06		F 16 L				3/00	292-298	F 16 B	7/00
232	B 43 K	5/02	2	F 16 B		43-48	F 16 B	7/06	121	F 16 C	11/00			12/36
233	B 43 K	5/00		F 16 D	9/00		F 16 G	11/12			32/02	299	B 25 G	3/00
234	B 43 K	5/18		F 16 P	5/00	49	E 04 G	7/00		F 16 D	1/12		F 16 B	
		9/00	3,4	F 16 B			F 16 B	1/00			3/00		F 16 D	1/00
235-242	B 43 K	5/18		F 16 D	1/00	50,51	F 16 B	7/10	122-149	F 16 C	11/00		F 16 G	11/00
243-247	B 43 K	9/00		F 16 L	25/00		F 16 C	11/00		F 16 D	1/12		B 25 G	3/00
248	B 43 K	5/00		F 16 B			F 16 J	15/52		F 16 C	11/06	300	F 16 B	7/18
249,250	B 43 K	5/18	5	F 16 L	17/00		F 16 L	51/02	150-159	F 16 C	11/06		F 16 D	1/00
251	B 43 K	5/00			33/16	52-55	F 16 B	7/10		F 16 J	1/16		F 16 L	15/00
252-255	B 43 K	1/02	6-9	B 25 G	3/00		F 16 C	11/00		F 16 C	11/06	301-309	B 25 G	3/00
256,257	B 43 K	17/00		F 16 B			F 16 D	1/12	160-163	F 16 C	11/06		F 16 B	
258	B 43 K	1/10		F 16 D	1/00	56	F 16 C	11/06		F 16 D	1/12			
259,260	B 43 K	1/06		F 16 G	11/00	57,58	F 16 D	3/00			3/00			

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 403—Con.			405	B 25 H	3/00	102	E 01 C	19/38	90-93	E 02 B	7/20	209	E 02 D	25/00
	F 16 D	1/00	407	F 16 D	1/00	103	E 01 C	19/28	94,95	E 02 B	7/40	210	E 02 D	27/38
310-314	F 16 G	11/00		F 16 G	11/00	104	E 01 C	9/10	96,97	E 02 B	7/20	211	E 02 D	5/60
	F 16 B	2/02	409	B 25 G	3/00			19/00	98	E 02 B	7/38			31/00
		7/04		F 16 B	2/14	105,106	E 01 C	19/12	99-102	E 02 B	7/40	212-215	E 02 B	3/26
	F 16 D	1/00		F 16 G	11/00	107	E 01 C	23/02	103-105	E 02 B	7/26	216	E 02 D	5/60
		1/02	410	B 25 G	3/00	108-111	E 01 C	19/18	106	E 02 B	7/36			31/00
315-320	F 15 G	11/00		F 16 B	1/00	112	E 01 C	19/22	107	E 02 B	3/10	217	E 02 D	17/00
	B 25 G	3/00		F 16 D	1/00	113-117	E 01 C	19/38			7/02			19/14
	F 16 B	1/00		F 16 G	11/00	118-120	E 01 C	19/22	108	E 02 B	8/06	218-221	B 63 C	1/00
321-330	F 16 D	1/00	U.S. Class 404			121-130	E 01 C	19/26	109	E 02 B	7/02			3/00
	F 16 G	11/00	ROAD STRUCTURE, PROCESS AND			131	E 01 C	19/24	110-112	E 02 B	7/14		E 02 B	3/20
	B 25 G	3/18	APPARATUS			132	E 01 C	19/26	113,114	E 02 B	7/08	222	E 02 D	5/20
	F 16 B	21/00				133	E 01 C	19/34	115,116	E 02 B	7/02			5/34
331,332	F 16 D	1/00						19/36	117	E 02 B	7/06			5/50
	B 25 G	3/00				134-136	E 01 C	19/40	118	E 02 B	5/00	223	E 02 D	29/06
	F 16 B	1/00	1	E 01 C	1/00			11/16	119,120	E 02 B	5/00			5/34
333,334	B 25 G	3/00	2-5	E 01 C	11/22			11/20			9/04	224	E 02 D	5/40
	F 16 B	7/02		E 01 F	5/00				121-123	E 04 D	13/04			5/54
	F 16 D	1/00	6	E 01 F	13/00				124-127	E 01 F	5/00	225	E 02 D	5/74
335-341	F 16 B	1/00			15/00	U.S. Class 405			128,129	E 03 F	3/00			5/46
	F 16 D	1/00	7,8	E 01 C	11/22	HYDRAULIC AND EARTH ENGINEERING				B 09 B	1/00	226	E 02 D	5/62
342,343	F 16 L	23/00	9-11	E 01 F	9/00				130,131	G 21 F	9/00			5/32
	B 25 G	3/00	12,13	E 01 F	9/06	1	B 63 C	3/08	132	E 02 D	19/14	227	E 02 D	7/24
	F 16 B	7/18			9/08	2	B 63 C	3/06		E 21 D	9/00	228	E 02 D	5/00
	F 16 D	1/00	14	G 08 B	11/00	3	B 63 C	1/08			10/00			11/00
344-348	F 16 L	15/00	15	E 01 F	11/00	4-6	B 63 C	5/04	133	E 21 D	1/00	229	E 02 D	13/00
	B 25 G	3/00	16	G 08 B	7/00	7	B 63 C	23/04	134-137	E 21 D	9/00	230	E 02 D	5/00
	F 16 B	1/00	17	E 01 C	11/00	8-10	E 02 D	19/04			10/00	231	E 02 D	5/22
349	B 25 G	3/16	18	E 01 C	5/22	11	E 02 D	23/00	138	E 21 D	9/00	232	E 02 D	7/00
	F 16 B	7/20	19-21	E 01 C	11/24	12	B 63 C	11/40			10/00			11/00
	F 16 D	1/00	22-24	E 01 C	17/00	13	E 02 D	23/02			11/00	233	E 02 D	5/30
350-352	B 25 G	3/00	25,26	E 02 D	29/14			23/08	139,140	E 21 D	9/00			5/34
	F 16 B	2/02	27-31	E 01 C	3/00	14	E 02 D	23/16			10/00			5/50
		7/04	32,33	E 01 C	5/18			19/04			11/00	234	E 02 D	7/12
353	B 25 G	3/00	34	E 01 C	5/00	15	E 02 B	23/00	141-145	E 21 D	9/00	235	E 02 D	13/00
	F 16 B	1/00	35	E 01 C	5/16	16-19	E 02 B	3/04			9/06			5/22
	F 16 D	1/00	36	E 01 C	9/10	20	E 02 B	3/12			10/00	236	E 02 D	7/00
354	B 25 G	3/28	37-42	E 01 C	5/00	21	E 02 B	3/14	146,147	E 21 D	9/06			5/62
	F 16 B	2/00	43	E 01 C	3/00	22-27	E 02 B	3/06			11/00	237,238	E 02 D	15/02
		3/00	44	E 01 C	5/22	28-33	E 02 B	3/06	148	E 21 D	9/12	239	E 02 D	5/44
355-359	B 25 G	3/28	45	E 01 C	5/08	34	E 02 B	3/08			11/00	240-242	E 02 D	5/30
	F 16 B	3/00	46	E 01 C	5/10	35	E 02 B	3/06	149	E 21 D	9/00			5/56
		7/00	47,48	E 01 C	5/14	36	E 02 B	11/00			10/00	243	E 02 D	7/22
360-366	F 16 D	1/00			11/02			13/00			11/00			5/70
	B 25 G	3/02	49	E 01 C	11/04	37	E 03 F	11/00	150-153	E 21 D	11/00	244	E 02 D	7/30
	F 16 B	1/00	50	E 01 C	11/12	38	E 02 B	13/00	154	B 63 B	35/03			15/04
367-371	F 16 D	1/00	51-63	E 01 C	11/10	39-41	E 02 B	11/00			35/04	245,246	E 02 D	5/74
	B 25 G	3/20			11/04	42	E 02 B	13/02	155,156	F 16 L	29/10	247	E 02 D	27/50
	F 16 B	2/00	64-66	E 01 C	11/10	43	E 02 B	13/00		E 02 D	3/06			7/30
372	B 25 G	3/10	67	E 01 C	11/08	44	E 02 B	13/00	157	E 03 F	7/10	248	E 02 D	5/42
	F 16 B	2/22	68,69	E 01 C	11/02	45	E 02 B	13/00		E 03 B	7/14	249	E 02 D	7/28
373	B 25 G	3/20	70	E 01 C	11/04	46	E 02 B	13/00		F 16 L	57/00			23/00
	F 16 B	2/00	71	E 01 C	5/08	47-49	E 02 B	11/00	158	F 16 L	59/00	250	E 02 D	5/20
374	B 25 G	3/20	72	E 01 C	11/16	50,51	E 02 B	13/00			1/00			5/30
	F 16 B	2/14	73	E 01 C	7/00	52	E 02 B	13/00	159-173	F 16 L	1/028	251	E 02 D	5/48
375,376	B 25 G	3/00	74	E 01 C	3/06	53-58	B 65 G	11/00	174-177	F 16 L	1/028			5/03
	F 16 B	1/00	75	E 01 C	11/24	59	E 21 F	13/00	178	F 16 L	3/22	252	E 02 D	5/16
377-379	B 25 G	3/00	76	E 01 C	5/00	60	E 21 F	13/00	179	F 16 L	1/028			5/14
	F 16 B	7/10	77	E 01 C	7/32	61	B 65 G	11/00			3/00	253,254	E 02 D	7/14
	F 16 D	1/00	78	E 01 C	7/36	62	E 02 B	15/00	180-184	E 02 F	5/10	255	E 02 D	5/52
380,381	B 25 G	3/08	79,80	E 01 C	21/00	63-72	E 02 B	65/30		E 03 F	3/06	256	E 02 D	5/10
	F 16 B	1/00	81-86	E 01 C	23/10	73	E 02 B	15/04		F 16 L	1/00			5/30
	F 16 D	1/00	87-89	E 01 C	23/14	74	E 02 B	15/02	185	B 63 C	11/00	257	E 02 D	5/34
382	B 25 G	3/08	90-92	E 01 C	19/00	75	E 02 B	15/00	186	B 63 C	11/02			5/18
	E 04 G	7/00			23/02	76,77	E 02 B	3/02	187-192	B 63 C	11/10			5/20
383	B 25 G	3/00	93,94	E 01 C	23/08	78	E 02 B	8/02	193	B 63 C	11/44			5/34
	F 16 B	7/00	95	E 01 C	23/12	79,80	E 02 B	9/00	194	B 63 C	11/38	258	E 02 D	
	F 16 D	1/00	96,97	E 01 C	23/16	81-83	E 02 B	9/08	195	E 02 B	23/00	259	E 21 D	20/00
384-403	B 25 G	3/36	98	E 01 C	23/14	84	E 02 B	9/00			27/24	260,261	E 21 D	21/00
	E 04 G	7/00	99	E 01 C	23/14	85	E 02 B	9/00	196-200	E 02 B	17/08	262	E 02 D	20/02
	F 16 B	1/00	100	E 01 C	19/22	86	E 02 B	9/00	201,202	E 02 B	17/00			29/00
404	F 16 D	1/00			21/10	87-89	E 02 B	8/08	203	E 02 B	17/08	263-266	C 09 K	21/00
	F 16 G	11/00			11/22			5/04		E 02 D	29/00			3/12
					19/52			1/00	204	E 02 D	25/00	267	E 02 D	5/18
					11/16			5/00	205,206	E 02 D	23/02			27/00
					23/04			7/00			25/00			29/00
					19/12			8/00	207,208	B 63 B	35/40	268,269	E 02 D	5/18

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 405—Con.			105,106	B 65 G	53/28		B 23 G	1/00	88-102	B 23 B	39/00	239,240	B 23 B	31/10
270	C 09 K	17/00	107	B 65 G	53/34	13	B 23 B	39/06			47/00			51/14
	E 02 D	3/12	108,109	B 65 G	53/40		B 23 G	1/00			49/00		B 23 G	1/46
271	E 02 D	3/02	110-112	B 65 G	51/26	14,15	B 23 B	39/00		B 23 G	1/00	241	B 23 B	39/00
272	E 02 D	5/00	113-118	B 65 G	53/40		B 23 G	1/00	103	B 23 B	39/00		B 23 G	47/00
	E 21 D	5/00	119,120	B 65 G	53/36	16	B 23 B	49/00			45/14			1/00
273	E 02 D	17/00	121-123	B 65 G	53/40		B 23 G	1/00			47/00			
		29/00	124-126	B 65 G	53/36	17	B 23 B	27/22			49/00			
274	E 02 D	5/02	127-133	B 65 G	53/46			47/34		B 23 G	1/00	U.S. Class 409		
275-288	E 02 D	3/02	134-136	B 65 G	53/40	18	B 27 C	9/00	104-107	B 23 B	39/00	GEAR CUTTING, MILLING, OR PLANING		
		5/00	137,138	B 65 G	53/38	19	B 23 B	39/00		B 23 G	1/22	1-7	B 23 F	1/00
		17/00	139,140	B 65 G	53/58	20,21	B 27 C	3/00			1/52	8,9	B 23 F	19/00
		29/00	141	B 65 G	53/24	22-25	B 25 B	51/08	108-114	B 23 B	39/00	10	B 23 F	1/00
		15/32	142	B 65 G	53/10		B 25 F	1/00			45/14	11-24	B 23 F	5/00
289	E 21 D	15/32			53/50		B 27 C	3/00			47/00	25-30	B 23 F	9/10
290	E 21 D	15/00	143	B 65 G	53/10	26-30	B 23 B	39/02			49/00	31-33	B 23 F	19/06
291,292	E 21 D	23/00	144	B 65 G	53/50			51/08		B 23 G	1/00	34-36	B 23 F	5/12
293,294	E 21 D	15/14	145	B 65 G	53/10		B 25 F	1/00	115	B 23 B	47/28	37	B 23 F	5/20
295	E 21 D	17/02			53/24		B 27 C	3/00			49/02	38-45	B 23 F	5/00
296	E 21 D	19/00	146	B 65 G	53/12	31-34	B 23 B	39/16		B 23 G	1/48	46,47	B 23 F	5/12
297	E 21 D	15/52	147-150	B 65 G	51/28		B 23 G	1/20	116	B 23 B	49/00	48	B 23 F	15/00
298	E 21 D	15/34	151	B 65 G	53/24	35	B 23 B	39/20		B 23 G	1/00	49	B 23 F	19/06
299-301	E 21 D	23/00	152	B 65 G	53/42		B 23 G	1/20	117-119	B 23 B	39/16	50-57	B 23 F	5/20
302	E 21 D	23/12	153	B 65 G	53/14	36	B 23 B	39/16		B 23 G	1/20	58-60	B 23 F	5/20
		23/16	154,155	B 65 G	53/40		B 23 G	1/20		B 23 B	45/12			5/28
		23/26	156	B 65 G	53/36	37-41	B 23 B	39/22	120-123	B 23 G	1/00			9/04
303	E 02 D		157-162	B 65 G	53/40		B 23 G	1/20		B 23 B	39/10	61,62	B 23 F	1/00
			163	B 65 G	53/60	42,43	B 23 B	39/16	124-127		45/00	63-65	B 23 C	3/32
			164-167	B 65 G	53/40		B 23 G	1/20			47/00	66-78	B 23 C	13/00
					53/52	44,45	B 23 G	1/20		B 23 G	3/00	79-83	B 23 C	1/16
U.S. Class 406			168-175	B 65 G	53/60			1/50	128	B 23 B	45/10	84	B 23 C	1/18
CONVEYORS, FLUID CURRENT			176-180	B 65 G	51/30	46	B 23 B	39/18			47/16	85-124	B 23 C	1/16
			181	B 65 G	51/18		B 23 G	1/20		B 23 G	3/00			1/18
1,2	B 65 G	51/36			53/52		B 23 G	1/20			47/22			
3	B 65 G	51/40	182,183	B 65 G	51/24	47-53	B 23 B	39/16	129	B 23 B	47/00			
4	B 65 G	51/42			53/56		B 23 G	1/20		B 23 G	3/08			
5	B 65 G	51/44	184-190	B 65 G	51/06	54	B 23 B	39/00	130	B 23 B	45/04			
6-9	B 65 G	51/42	191	B 65 G	51/18	55	B 23 B	39/00			47/00			
10	B 65 G	51/08			53/52		B 23 G	1/00	131,132	B 23 B	47/00			
		51/36	192	B 65 G	51/22	56	B 23 B	51/06		B 23 G	3/00			
		53/66			53/34	57-60	B 27 C	9/00	133	B 23 B	47/14			
11,12	B 65 G	51/16	193	B 65 G	51/18		B 23 B	27/10		B 23 G	47/00			
		53/66			53/52			51/06	134-137	B 23 B	47/00			
13	B 65 G	51/34	194	B 65 G	53/34		B 27 C	9/00		B 23 G	3/00			
14-22	B 65 G	51/16	195	B 65 G	51/18	61	B 23 B	51/06	138-142	B 23 G	5/22			
		53/66			53/52		B 27 C	9/00	143	B 23 B	47/00			
23-25	B 65 G	53/66	196	B 65 G	53/54	62	B 23 G	5/22	144	B 23 B	27/14			
26,27	B 65 G	51/16	197	B 65 G	53/00	63	B 23 Q	5/26			51/00			
28-31	B 65 G	51/36	198	B 65 G	51/00	64-66	B 23 Q	5/22	145	B 23 B	27/20			
		53/66			53/00	67,68	B 23 B	47/00	146	B 23 B	29/02			
32,33	B 65 G	53/66					B 23 G	11/00			51/00			
34-36	B 65 G	51/36	U.S. Class 407				B 23 G	47/00		B 23 G	5/00			
		53/66	CUTTERS, FOR SHAPING				B 23 Q	5/22	147-198	B 23 B	51/00			
37	B 65 G	51/42					B 23 B	47/00		B 23 D	77/00			
38	B 65 G	53/04					B 23 G	11/00		B 23 G	5/00			
39-44	B 60 P	1/60	1	B 26 D	9/00		B 23 Q	5/50	199	B 23 D	77/00			
45	B 65 G	53/30	2-11	B 23 P	15/28		B 23 B	39/00		B 23 G	5/00			
46-49	B 65 G	53/00		B 26 D	1/00			47/00		B 27 G	15/00			
50	B 65 G	53/66			3/00			49/00	200	B 23 B	47/34			
51	B 65 G	53/40					B 23 G	1/00			51/00			
52-61	B 65 G	53/08	12-19	B 23 P	15/42		B 23 B	39/00		B 23 D	77/00			
		53/48	20-26	B 26 D	1/12			49/00		B 23 G	5/00			
		53/08	27	B 23 P	15/44		B 23 G	1/00		B 27 G	15/00			
62-68	B 65 G	53/46		B 26 D	1/12	73,74	B 23 B	39/00		B 23 B	51/00			
69-71	B 65 G	53/48	28-64	B 26 D	1/12	75,76	B 23 B	39/00	201-203.5	B 23 B	77/00			
72	B 65 G	51/00	65-120	B 23 P	15/28			47/00		B 23 G	5/00			
73-76	B 65 G	53/40		B 26 D	3/00		B 23 G	1/00		B 27 G	15/00			
77-82	B 65 G	53/44					B 23 B	39/14	204	B 23 B	41/02			
83,84	B 65 G	51/20					B 23 G	1/00			51/04			
		53/58						41/00		B 27 B	5/12			
85	B 65 G	53/66	U.S. Class 408				B 23 G	1/00	205,206	B 23 B	41/02			
86	B 65 G	53/16	CUTTING BY USE OF ROTATING				B 23 B	41/00			51/04			
		53/26	AXIALLY MOVING TOOL					49/04	207-225	B 23 B	51/00			
87	B 65 G	47/24					B 23 G	1/00		B 23 D	77/00			
88	B 65 G	53/16						51/10		B 27 G	15/00			
		53/28	1	B 23 B	35/00	83.5	B 23 B	41/00	226	B 23 B	31/117			
		53/38	2	B 27 C	9/00			51/00			51/00			
		69/06	3	B 23 B	39/08	84	B 23 B	49/00		B 23 D	77/00			
89	B 65 G	53/18			39/24	85,86	B 23 B	39/00		B 27 G	15/00			
		53/26			39/26			47/00	227-233	B 23 B	51/00			
90,91	B 65 G	53/38			3/08			49/00		B 23 D	77/00			
		69/08	4,5	B 23 B	39/00		B 23 G	1/00		B 27 G	15/00			
92	B 65 G	53/52	6	B 23 B	39/00		B 23 B	39/00	234-237	B 23 B	47/00			
93-95	B 65 G	53/04			47/24	87		45/08	238	B 23 B	31/02			
96-104	A 01 D	87/10	7	B 23 B	39/00			45/14			51/14			
	B 65 G	53/58	8-12	B 23 B	39/04		B 23 G	1/00		B 23 G	1/46			

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 409—Con.						89-95	B 60 P	1/64	166	F 16 B	39/00	378	E 01 B	9/10	944-946	F 16 B	39/00						
				B 63 B	25/00						39/28		F 16 B	33/00	947	F 16 B	39/24						
304-307	B 23 D	5/00	96-117	B 61 D	45/00						39/282			35/00	948	F 16 B	39/06						
308	B 23 D	5/02		B 65 D	63/00	167	F 16 B	39/28			39/30	379-382	F 16 B	35/00	949-952	F 16 B	39/32						
		1/00	118-120	B 61 D	45/00	168	F 16 B	35/04			39/00	383-385	F 16 B	35/02	953	F 16 B	39/24						
		3/00	121	B 60 P	7/135	169,170	F 16 B	39/00			37/06	386,387	F 16 B	25/00	954	F 16 B	39/06						
309	B 23 D	5/00		B 61 D	45/00	171	F 16 B	37/06			37/02	388-395	F 16 B	35/00	955	F 16 B	39/28						
		5/02	122-126	B 63 B	25/24	172-175	F 16 B	37/02			37/04	396-399	F 16 B	23/00	956,957	F 16 B	39/28						
310-313	B 23 D	1/00	127	B 60 P	7/14						39/00			35/06	958	F 16 B	39/24						
		3/00		B 61 D	45/00	176	F 16 B	39/00			37/04	400	F 16 B	23/00	959	F 16 B	39/26						
		5/00	128-142	B 61 D	45/00	177	F 16 B	37/04			37/12	401-410	F 16 B	23/00	960-962	F 16 B	39/22						
314-316	B 23 D	5/00	143	B 60 P	7/15	178	F 16 B	37/12			37/04			35/06	963	F 16 B	39/24						
		5/02		B 61 D	45/00	179-183	F 16 B	39/28			39/28	411-426	F 16 B	35/04									
317-320	B 23 D	1/00	144-153	B 61 D	45/00	184,185	F 16 B	39/284			39/284	427,428	F 16 B	37/00	964	F 16 B	39/28						
		3/00	154,155	B 61 D	45/00	186	F 16 B	39/282			39/282	429-431	F 16 B	37/14	965,966	F 16 B	39/00						
		5/00		B 63 B	25/24	187,188	F 16 B	39/284			39/284	432-434	F 16 B	37/08	967	F 16 B	39/28						
321-325	B 23 D	1/02	156	B 61 D	45/00	189	F 16 B	39/00			39/00	435-437	F 16 B	37/16	968-979	F 16 B	39/00						
		1/04				190	F 16 B	39/282			39/282	438	F 16 B	37/12	980	F 16 B	39/22						
326	B 23 D	3/00				191,192	F 16 B	39/284			39/284	439	A 43 B	23/20	981,982	F 16 B	39/24						
		3/02	U.S. Class 411			193,194	F 16 B	39/28			39/28		B 43 M	15/00	983-997	F 16 B	39/02						
		3/04	EXPANDED, THREADED, DRIVEN,			195,196	F 16 B	39/10			39/10		E 01 B	9/06	998	F 16 B	39/00						
327-336	B 23 D	1/08	HEADED, TOOL-DEFORMED, OR LOCKED-			197-201	F 16 B	39/284			39/284		F 16 B	15/00	999	F 16 B	43/00						
		1/20	THREADED FASTENER			202,203	F 16 B	39/10			39/10	440	F 16 B	15/00									
		7/04				204	F 16 B	39/04			39/04			19/14									
337,338	B 23 D	7/10	1-7	F 16 B	31/00	205	F 16 B	39/30			39/30	441	F 16 B	15/00									
		1/00				206-208	F 16 B	39/04			39/04	442-445	F 16 B	15/08	U.S. Class 412								
		3/00				209	F 16 B	39/30			39/30	446-448	F 16 B	15/00	BOOKBINDING: PROCESS AND								
339-342	B 23 D	5/00	8-14	F 16 B	31/02	210,211	F 16 B	39/30			39/30	449	F 16 B	15/04	APPARATUS								
		1/08	15-43	F 16 B	13/04	212-215	F 16 B	39/06			39/06	450-455	F 16 B	15/08	1	B 42 B							
		1/20	44-74	F 16 B	13/06	216-220	F 16 B	39/04			39/04	456	F 16 B	15/06	2	B 42 C	9/00						
343,344	B 23 D	7/04	75-80	F 16 B	13/04	221	F 16 B	39/12			39/12	457-472	F 16 B	15/00	3	B 42 C	7/00						
		1/00	81	F 16 B	39/00	222-242	F 16 B	39/16			39/16	473	F 16 B	15/02	4,5	B 42 C	11/00						
		3/00	82	F 16 B	39/02	243-245	F 16 B	39/22			39/22	474-478	F 16 B	15/00	6	B 42 B							
345,346	B 23 D	5/00	83	F 16 B	39/00	246	F 16 B	39/284			39/284	479	E 04 B	1/48	7	B 42 B	5/08						
		1/04	84,85	F 16 B	27/00	247-249	F 16 B	37/12			37/12		F 16 B	15/00	8	B 42 C	9/00						
		1/08	86	F 16 B	39/02	250-252	F 16 B	39/10			39/10	480-486	F 16 B	15/02	9	B 42 B							
347,348	B 23 D	1/20	87	F 16 B	39/04	253-256	F 16 B	39/00			39/00	487-499	F 16 B	15/00	10-14	B 42 C	13/00						
		13/06	88	F 16 B	39/10	257,258	F 16 B	39/02			39/02	500	F 16 B	19/04	15	B 42 C	17/00						
			89	F 16 B	39/32	259	F 16 B	39/28			39/28	501-503	F 16 B	19/08	16	B 42 B	9/00						
			90	F 16 B	39/02						39/26	504	F 16 B	19/06	17	B 42 C	7/00						
U.S. Class 410						260	F 16 B	39/10			39/10	505	F 16 B	19/06	18	B 42 C	11/00						
FREIGHT ACCOMMODATION ON						261	F 16 B	39/26			39/26	506,507	F 16 B	19/06	19	B 42 C	11/02						
FREIGHT CARRIER						262	F 16 B	37/12			37/12	508-510	F 16 B	19/00	20	B 42 B	9/00						
1	B 60 P	1/00	91	F 16 B	39/02	263,264	F 16 B	39/28			39/28	511	E 01 B	9/12	21	B 42 C	11/04						
2	B 61 D	3/16	92	F 16 B	39/02	265-270	F 16 B	39/36			39/36	512	F 16 B	21/00	22	B 42 C	13/00						
3-12	B 60 P	3/06	93-96	F 16 B	39/10	271	F 16 B	39/02			39/02	513-515	F 16 B	21/00	23	B 42 B	9/00						
13-18	B 61 D	3/18	97	F 16 B	39/02	272-275	F 16 B	39/22			39/22	516-530	F 16 B	21/18	24,25	B 42 C	5/00						
	B 60 P	3/06				276-291	F 16 B	39/34			39/34	531-536	F 16 B	43/00	26,27	B 42 C	9/02						
19-23	B 60 P	3/08	98-100	F 16 B	39/22	292-295	F 16 B	39/02			39/02	537-547	F 16 B	43/02	28,29	B 42 B	9/00						
24	B 60 P	3/06	101,102	F 16 B	39/02	296-299	F 16 B	37/04			37/04	548	F 16 B		30	B 42 C	5/02						
24.1	B 60 P	3/07	103	F 16 B	39/00	300	F 16 B	39/00			39/00	549-555	F 16 B	21/00	31	B 42 C	9/02						
25-29 1	B 60 P	3/08	104	F 16 B	37/00	301	F 16 B	39/22			39/22	900-909	F 16 B		32	B 42 B	9/00						
30	B 60 P	3/06	105	F 16 B	39/00	302-304	F 16 B	39/34			39/34	910,911	F 16 B	41/00	33	B 42 B	5/00						
31	B 60 T	3/00	106	F 16 B	39/22	305	F 16 B	39/22			39/22	912	F 16 B		34	B 42 B	5/06						
	B 61 D	3/16	107	F 16 B	39/00	306	F 16 B	39/284			39/284	913	F 16 B	13/04	35	B 42 B	2/00						
32-42	B 60 P	3/06	108	F 16 B	37/04	307-311	F 16 B	39/30			39/30	914-916	F 16 B	33/04	36	B 42 B	5/04						
	B 61 D	3/16	109	F 16 B	37/12	312	F 16 B	39/22			39/22			27/00	37	B 42 C	9/00						
43	B 60 P	7/06	110	F 16 B	39/28	313	F 16 B	39/34			39/34			35/00	38	B 42 B	5/03						
	B 61 D	3/16	111,112	F 16 B	39/284	314	F 16 B	39/04			39/04	917	F 16 B	27/00	39	B 42 B	5/10						
	B 61 D	3/16	113	F 16 B	39/28	315-320	F 16 B	39/06			39/06			29/00	40-43	B 42 B	9/00						
44,45	B 60 P	3/40				321-323	F 16 B	39/284			39/284	918	F 16 B	37/00	900	B 42 B	9/00						
46	B 60 P	7/06				324	F 16 B	39/02			39/02			17/00									
47-50	B 60 P	3/16	114,115	F 16 B	39/10	325	F 16 B	39/32			39/32	919	F 16 B	23/00	901	B 42 B	9/06						
	B 61 D	3/16	116,117	F 16 B	39/20	326-331	F 16 B	39/28			39/28			33/00	902	B 42 C	13/00						
51	B 62 B	1/00	118	F 16 B	39/10	332	F 16 B	39/284			39/284												
		3/00	119-124	F 16 B	39/32	333	F 16 B	39/02			39/02												
52	B 60 P	1/64	125-128	F 16 B	39/32	334-336	F 16 B	9/12			9/12	920-922	F 16 B	15/00									
		1/64	129-131	F 16 B	39/10	337	E 01 B	21/00			21/00	923	F 16 B	15/02	U.S. Class 413								
		1/64	132	F 16 B	39/24	338-351	F 16 B	21/00			21/00	924-929.2	F 16 B	39/00	SHEET METAL CONTAINER MAKING								
53	B 63 B	25/00	133	F 16 B	39/28	352,353	F 16 B	21/18			21/18			39/16	1	B 21 D	51/26						
54,55	B 61 D	3/14	134	F 16 B	37/04	354,355	F 16 B	19/00			19/00			39/30	2-5	B 21 D	51/30						
		3/42	135	F 16 B	39/00	356-359	F 16 B	15/00			15/00	930-934	F 16 B	39/00	6	B 21 D	51						

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 413—Con.														
22	B 21 D	51/42	495-497	B 62 B	1/00	791.3,791.4	B 65 H	29/00	5	F 01 D	23/00	25	F 01 B	25/00
23,24	B 21 D	51/50	498-500	B 65 F	3/26		B 65 G	57/081		F 03 B	9/00		F 01 D	17/00
25	B 21 D	51/44	501-505	B 60 P	1/02	791.5	B 65 H	29/00		F 03 D	5/02		F 03 B	15/00
26-30	B 21 D	51/30	506-523	B 60 P	1/00	791.6,791.7	B 65 G	57/00		F 04 B	19/16		F 03 D	7/00
31-41	B 21 D	51/32		B 65 F	1/00	791.8,791.9	B 65 G	57/22		F 04 D	23/00		F 04 D	27/00
42-44	B 21 D	51/30			3/00	792-792.6	B 65 G	57/26	6	F 04 D	23/00	26	F 01 B	25/00
45-52	B 21 D	51/26	525.1-525.9	B 60 P	1/00	792-792.9	B 65 G	57/22	7	F 01 D	25/28		F 01 D	17/00
53	B 21 D	51/42		B 65 F	3/00	793,793.1	B 65 H	57/02		F 03 D	11/04			19/00
54,55	B 21 D	51/26	526-559	B 60 P	1/00		B 65 H	29/00		F 04 D	29/60			21/00
56	B 21 D	51/44		B 65 F	3/00	793.2,793.3	B 65 G	57/04	8	B 63 H	21/26		F 03 B	15/00
57-65	B 21 D	51/46			3/00		B 65 H	29/32	9	F 01 B	25/16		F 03 D	7/00
66-68	B 21 D	51/44	560-563	B 65 G		793.4	B 65 G	57/03	10	F 01 D	21/00	27	F 04 D	27/02
69-77	B 21 D	51/28		B 66 C			B 65 H	29/26		F 01 D	17/00	28	F 01 B	25/00
78	B 21 D	51/26	564-571	B 66 B	17/00	793.5-793.7	B 65 G	57/03			21/00		F 01 D	17/00
			572-585	A 01 D	90/00		B 65 H	29/36		F 03 B	15/00			19/00
				B 65 G	67/02	793.8-794.2	B 65 G	57/03		F 03 D	7/00		F 03 B	15/00
			586-588	B 65 G	25/00		B 65 H	29/26		F 04 D	15/00		F 03 D	7/00
				F 23 K		794.3	B 65 G	57/03			27/00		F 04 D	15/00
			589-591	B 66 F			B 65 H	29/56	11	F 01 B	25/00			27/00
				F 41 A	9/00	794.4	B 65 G	57/09		F 03 B	15/00	29	F 01 B	25/00
			592-674	B 65 G			B 65 H	29/00		F 04 D	15/00		F 01 D	17/00
1-8	B 25 J	1/00		B 66 F		794.5	B 65 G	57/112			27/00			19/00
		3/00	675	G 06 M			B 65 H	29/50	12	F 01 D	5/12			21/00
		15/00	676	B 65 G	35/00	794.6	B 65 G	57/112			9/02		F 03 B	15/00
		19/00	677	B 65 H	11/00		B 65 H	29/18		F 03 D	7/00		F 03 D	7/00
9	A 47 G	21/00	678	B 63 C	3/00	794.7	B 65 G	57/09		F 04 D	29/38	30-32	F 01 B	25/06
		21/08	679	B 65 G	69/00		B 65 H	29/00	13	F 01 B	25/00		F 01 D	17/06
10-12	E 04 G		680-684	B 66 C	23/00	794.8	B 65 G	57/09		F 01 D	17/00			19/00
13	B 08 B			B 66 F	9/00		B 65 H	29/22			19/00			21/02
14	B 23 Q	5/22		E 02 F	3/00	794.9-795.3	B 65 G	57/30		F 03 B	15/00		F 03 B	15/06
	B 65 H	5/00	684.3	B 66 C	23/00		B 65 H	29/00		F 03 D	7/00		F 03 D	7/00
15-20	B 23 Q	5/22		B 66 F	9/00	795.4	B 65 G	59/00		F 03 D	15/00		F 04 D	15/00
21	B 65 G	69/00			11/00		B 65 H	3/00		F 04 D	27/00	33		27/00
	G 01 G	13/00	685-727	E 02 F	3/00	795.5	B 65 G	59/00	14	F 01 B	25/00		F 01 B	25/06
22.51-22.71	E 21 B	19/00		B 66 C	23/00		B 65 H	3/48		F 01 D	21/04		F 01 D	7/02
23	A 01 G	23/02		B 66 F	9/00	795.6	B 65 G	59/10			21/14		F 03 B	15/06
	B 66 F	11/02	728	E 02 F	3/00	795.7-796.4	B 65 G	59/00		F 03 B	15/00		F 03 D	7/00
24	B 66 F	11/00	729-741	B 66 C	23/00		B 65 H	3/00		F 03 D	7/00		F 04 D	15/00
24.5	A 01 D	85/00		B 66 C	1/00	796.5-796.9	B 65 G	59/02		F 04 D	15/00	34,35		27/00
		90/00			3/00		B 65 H	3/00			27/00		F 01 B	25/06
24.6	A 01 D	90/10	742-744.8	B 66 C	23/00	797	B 65 G	59/02	15	F 01 B	25/00		F 01 D	17/06
25	A 01 D	85/00	745.1-746.8	B 66 F	11/00		B 65 H	3/08		F 01 D	17/00			19/00
26	A 24 B	1/06	749-753	B 65 G		797.1	B 65 G	59/02			19/00		F 03 B	15/06
27	B 65 G	57/00	754-784	B 25 J			B 65 H	3/16			21/00		F 03 D	7/00
111	B 65 G		785	B 66 C	3/00	797.2,797.3	B 65 G	59/02		F 03 B	15/00		F 04 D	15/00
	B 65 H	27/00	786,787	B 65 G			B 65 H	3/00		F 03 D	7/00			27/00
132	A 24 B	1/06	788,788.1	B 65 B	35/50	797.4-797.8	B 65 G	59/06		F 04 D	15/00	36-46	F 01 B	25/06
	B 65 G	57/00		B 65 G	57/00		B 65 H	3/00			27/00		F 01 D	17/06
133	B 65 G	57/00		B 65 H	29/00	797.9	B 65 G	59/06		F 01 B	25/20		F 03 B	15/08
137.1-143.2	B 63 B	27/00	788.2,788.3	B 65 B	35/50		B 65 H	3/24	16	F 01 D	21/20		F 03 D	7/00
		35/00		B 65 G	57/16	798,798.1	B 65 G	59/06		F 03 B	15/18		F 04 D	15/00
	B 65 G	67/60	788.4	B 65 G	57/00		B 65 H	3/00		F 03 D	7/00			27/00
146	G 21 C	19/00			59/00	798.2-798.8	B 65 G	57/00		F 04 D	15/00	47,48	F 01 B	25/00
147-216	B 65 G	25/00		B 65 H	29/00	798.9	B 65 G	59/00			27/00		F 01 D	17/00
	B 66 C	17/08			57/08	799	B 65 G	1/18	17,18	F 01 B	25/00			19/02
217-221	B 65 G		788.5	B 65 G	59/00					F 01 D	17/00			21/12
222-226	B 65 H	1/00			3/00						19/00			21/14
227-264	E 04 H	6/00		B 65 H							21/00		F 03 B	15/00
265	B 65 G	67/00			29/00					F 03 B	15/00		F 03 D	7/00
266-329	B 65 G	1/00	788.6,788.7	B 65 G	57/00					F 04 D	15/00		F 04 D	15/00
		65/00			59/00						27/00	49,50		27/00
331,332	B 65 G	1/00		B 65 H	3/00						27/00		F 01 B	25/02
333-402	B 65 F	9/00			29/00						27/00		F 01 D	17/00
	B 65 G	67/00	788.8	B 65 G	60/00	1	F 01 D		19	F 01 B	27/00		F 03 B	15/02
403-410	B 65 B	21/02	788.9	B 65 G	57/00		F 03 B			F 01 D	19/00		F 03 D	7/00
		69/00		B 65 H	31/34		F 04 D		20-22	F 01 B	25/02		F 04 D	15/00
	B 65 F	3/02	789	B 65 H	31/34		F 03 B	15/06		F 01 D	17/00			27/00
	B 65 G	65/04			57/00	2.1	F 03 D	7/00		F 03 B	15/02			27/00
411-425	B 65 B	21/02	789.1	B 65 G	57/00		F 03 D	13/12		F 03 D	7/00	51	F 01 B	25/00
		69/00	789.2	B 65 H	31/38	3.1	F 03 B			F 04 D	15/00		F 01 D	17/00
	B 65 G	65/04		B 65 G	57/28			15/06			27/00			19/00
426-430	B 60 B	29/00	789.3,789.4	B 65 H	15/00	4.1	F 03 D	25/12	23	F 01 B	25/12		F 03 B	15/00
	B 65 G	7/00	789.5,789.6	B 65 H	57/00		F 03 B	7/00		F 01 D	17/02		F 03 D	11/00
431	B 65 H	51/00	789.7	B 65 G	57/00	4.2	F 03 B	15/06		F 03 B	15/20		F 04 B	15/00
432	B 65 H	51/26		B 65 H	57/00		F 03 D	7/00		F 03 D	7/00			27/00
433	B 65 G	29/00	789.8	B 65 G	67/24	4.3	F 03 B	7/06	24	F 01 B	25/00	52.1	F 01 D	1/12
434-443	B 60 P	1/00		B 65 H	29/00		F 03 D	15/06		F 01 D	17/00			5/02
444-457	B 62 B	1/06	789.9-790.7	B 65 G	57/00	4.4	F 03 B	7/02			19/00			9/00
458-461	B 60 P	3/00		B 65 H	31/30		F 03 D	15/06		F 03 B	15/14		F 03 B	25/00
462	B 60 P	9/00	790.8	B 65 G	57/00	4.5	F 03 D	7/06		F 03 D	7/00			1/00
463-466	B 62 D	43/00		B 65 H	31/32		F 03 B	15/06		F 04 D	25/00			3/00
467-494	B 60 P	1/04	790.9-791.2	B 65 G	57/00		F 03 D	7/02			27/00		F 03 D	11/00
														1/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 415—Con.			76	F 01 D	1/34	124	F 04 D	25/02		F 01 D	17/12			9/00
				F 03 B	5/00	124.1	F 01 D	15/12		F 03 B	1/04			11/00
				F 01 D	1/04		F 03 D	11/02			3/18			25/16
		3/00	77-79		5/05	124.2	F 01 D	15/12		F 03 D	7/00		F 03 B	11/00
		5/00			3/04		F 03 D	5/02		F 04 D	15/00		F 03 D	11/00
		11/00		F 03 B	11/00			11/02			27/00		F 04 D	29/08
53.1-53.3	F 04 D	29/00		F 03 D	3/00	125	F 01 D	7/00			29/44			29/18
	F 04 D	5/00		F 04 D	19/00		F 03 B	3/06			29/56	174.3	F 01 D	11/00
		23/00			29/32			3/14	152.1-154.3	F 01 D	1/30		F 03 B	11/00
54.1	F 01 D	1/12	80	F 01 D	1/18			3/18		F 03 B	1/04		F 03 D	11/00
	F 03 B	1/00		F 03 B	1/00		F 03 D	11/00			3/18		F 04 D	29/08
		3/16			3/00		F 04 D	29/36	155-167	F 01 B	25/02	174.4	F 01 D	5/00
	F 03 B	1/00			1/16			29/46		F 01 D	17/12			9/00
		3/00	81	F 01 D	1/04			29/54		F 03 B	1/04			11/00
		5/00		F 03 B	3/00	126	F 01 D	25/24			3/18			25/16
	F 04 D				1/18		F 03 B	11/02		F 03 D	7/00		F 03 B	11/00
55.1-55.7	F 01 D	1/12	82	F 03 B	1/00		F 03 D	11/00		F 04 D	15/00		F 03 D	11/00
	F 04 D	1/04			3/00		F 04 D	29/40			27/00		F 04 D	29/08
		5/00			1/06	127	F 01 D	25/24			29/44			29/18
		17/06	83-87	F 01 D	5/04		F 03 B	11/02			29/56	174.5	F 01 D	11/02
		29/42			11/00		F 03 D	11/00	167.1	F 04 D	1/10		F 03 B	11/00
56.1-56.6	F 03 B	11/04		F 03 D	1/08	128	F 01 D	25/24	168.1-168.4	F 01 D	11/00		F 03 D	11/00
	F 04 D	9/00		F 04 D	1/12		F 03 B	11/02		F 03 B	11/00		F 04 D	29/08
		29/66	88	F 04 D	1/14		F 03 D	11/00		F 03 D	11/00	175,176	F 01 D	5/08
57.1-58.1	F 01 D	1/12	89	F 01 D	1/36		F 04 D	29/40		F 04 D	29/08			5/18
	F 03 B	1/00	90	F 03 B	5/00	129-133	F 01 D	5/02	169.1	F 01 D	11/00			11/00
		3/00		F 01 D	1/04			7/00			25/00			25/08
		11/00	91		5/06		F 03 B	1/02		F 03 B	11/00			25/16
	F 03 D	1/00		F 03 B	3/04			3/06			11/04		F 03 B	25/18
		3/00		F 03 D	11/00			3/12		F 03 D	11/00		F 03 D	11/00
		5/00		F 04 D	3/00		F 03 D	11/00		F 04 D	29/00		F 04 D	29/04
58.2,58.3	F 04 D	5/04			19/00	134-139	F 01 D	25/26			29/08			29/08
	F 01 D	1/02			29/32		F 03 D	11/00			29/66			29/08
	F 03 B	3/12	92	F 01 D	1/00		F 28 F	7/00	169.2-169.4	F 01 B	31/18	177-180	F 01 D	5/08
		1/06		F 03 B	11/00	140,141	F 01 D	5/02		F 01 D	5/30			5/18
		3/06		F 03 D	11/00			1/02		F 03 B	11/00			25/08
		5/00	93-103	F 01 D	3/02		F 03 B	3/12		F 03 D	11/00		F 03 B	11/00
	F 04 D	29/18	104-107	F 01 D	3/04		F 03 D	11/00		F 04 D	29/00		F 04 D	29/58
		29/26			25/26		F 04 D	29/18			31/00	181	F 01 D	1/02
58.4,58.5	F 01 D	1/12	108	F 01 D	11/00			29/26	170.1	F 01 D	5/00			1/10
		25/24	109-113	F 01 D	25/16	142	F 01 D	25/16			9/00			9/00
	F 03 B	1/00		F 03 B	11/00		F 03 B	11/06			11/00		F 03 B	1/04
		3/00		F 03 D	11/00		F 03 D	11/00		F 03 B	25/16			3/16
		11/00		F 04 D	29/08		F 04 D	29/04		F 03 D	11/00		F 04 D	21/00
	F 03 D	1/00		F 16 J	15/00	143	F 01 D	13/00		F 03 D	11/00	182.1	F 01 D	1/00
		3/00		F 01 D	25/08		F 03 B	15/00		F 04 D	29/08			9/00
		5/00	114	F 03 B	11/00		F 04 D	1/10			29/18			25/24
	F 04 D			F 04 D	29/58			13/12	171.1	F 01 D	5/00		F 03 B	1/00
58.6	F 01 D	1/12	115	F 01 D	5/14			17/14			9/00			3/00
		25/24		F 03 B	11/00	144,145	F 01 B	25/00			11/00			11/02
	F 03 B	1/00		F 03 D	11/00		F 01 D	13/02		F 03 B	11/00		F 03 D	1/00
		3/00		F 04 D	29/38			17/00		F 03 D	11/00			3/00
		11/02			31/00		F 03 D	7/00		F 04 D	29/08			5/00
	F 03 D	1/00	116	F 04 D	1/00		F 04 D	27/00	172.1	F 01 D	5/00			11/00
		3/00	117	F 01 D	25/26	146,147	F 01 B	25/02			9/00		F 04 D	1/00
		5/00	118	F 01 D	25/00		F 01 D	17/00			11/00			17/00
	F 04 D			F 03 B	11/00		F 03 B	15/06		F 03 B	11/00			23/00
58.7,59.1	F 01 D	1/12		F 03 D	11/00		F 03 D	7/04		F 03 D	11/00			29/42
		5/02		F 04 D	29/00		F 04 D	25/10		F 04 D	29/16	183-196	F 01 D	1/02
		9/00		F 01 D	5/10	148	F 01 B	25/02	173.1-173.5	F 01 D	5/20			9/00
		25/00			5/16		F 01 D	17/12			11/08		F 03 B	1/04
	F 03 B	1/00			5/26		F 03 B	1/04		F 03 B	11/00			3/16
		3/00			25/04			3/18		F 03 D	11/00		F 03 D	1/04
		11/00		F 03 B	11/04		F 03 D	7/00		F 04 D	29/08			3/04
	F 03 D	1/00		F 03 D	11/00		F 04 D	15/00			29/18			11/00
		3/00		F 04 D	29/66			27/00	173.6	F 01 D	5/00		F 04 D	29/44
		5/00		F 01 D	1/06			29/44			9/00			29/54
		11/00	120		1/14			29/56			11/00	197	F 01 D	1/02
60-69	F 04 D	1/24			1/28	149.1	F 01 B	25/02			25/16			9/00
	F 01 D	13/00			5/04		F 01 D	17/00		F 03 B	11/00		F 03 B	1/04
		3/02		F 04 D	1/02		F 03 B	1/04		F 03 D	11/00			3/16
	F 03 D	13/04			17/02			3/18		F 04 D	29/08		F 03 D	1/04
	F 04 D	25/16			29/00		F 03 D	7/00	173.7	F 01 D	5/00			11/00
70	F 01 D	23/00	121.1	F 01 D	5/12		F 04 D	15/00			9/00		F 04 D	7/00
	F 04 D	11/00			25/00			27/00			11/00			29/02
		33/00		F 03 B	3/12	149.2-149.4	F 01 B	25/02			25/16	198.1-207	F 01 D	1/02
71-74	F 01 D	5/00		F 03 D	11/00		F 01 D	17/00			25/24			9/00
	F 03 B	3/12		F 03 B	11/08		F 03 B	1/04		F 03 B	11/00		F 03 B	1/04
	F 04 D	1/04	121.2	F 04 D	29/70			3/18		F 03 D	11/00			3/16
		3/02		F 01 D	15/00		F 03 D	7/02		F 04 D	3/00		F 03 D	1/04
		17/06	121.3	F 03 B	13/00		F 04 D	15/00			19/00			3/04
		29/28		F 03 D	9/00			27/00			29/08			11/00
75	F 01 D	5/00		F 01 D	15/12			29/56			29/18		F 04 D	29/44
	F 03 B	3/12	122.1,123	F 03 D	11/02	150,151	F 01 B	25/02	174.1,174.2	F 01 D	5/00			29/54
	F 03 D	11/00												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 415—Con.														
208.1-211.2	F 01 D	1/02		F 03 D	1/04		F 04 D	29/00		F 01 D	5/00			5/18
		9/00		F 04 D	3/00	913		29/60		F 03 B	3/12		F 03 D	11/02
	F 03 B	1/00			19/00		F 01 D	25/24		F 04 D	29/18	98	F 04 D	29/58
		3/16			29/52		F 03 B	11/02			29/26		B 63 H	3/00
		11/02	224	F 01 D	1/00		F 03 D	1/00	23,24	B 64 C	11/28		B 64 C	11/30
	F 03 D	1/04			1/02	914	F 04 D	29/40		F 01 D	5/00			27/00
		3/04			1/18		F 01 D	9/00		F 03 B	3/12		F 01 D	7/00
		5/00			9/00			25/24		F 03 D			F 03 B	3/14
		11/00		F 03 B	1/00		F 03 B	1/00		F 04 D	29/18		F 03 D	
	F 04 D	29/44			3/00			11/02			29/26		F 04 D	29/36
		29/54			11/02		F 03 D	1/04	25-30	B 63 H	3/10	99	B 63 H	3/00
212.1	F 01 D	9/00		F 03 D	3/04		F 04 D	29/68		B 64 C	11/30		B 64 C	11/06
	F 03 B	3/16		F 04 D	11/00	915	B 22 C			F 01 D	7/00			11/30
	F 04 D	29/44			23/00		B 22 D			F 04 D	29/18		F 04 D	11/46
213.1	F 01 D	25/26			29/40		B 29 D		31-53	B 63 H	29/26			27/10
		25/28	224.5-226	F 01 D	1/06		F 04 D	29/00			5/12			27/32
	F 03 B	11/00			1/22	916	F 01 D	15/00		B 64 C	11/34			27/52
	F 03 D	11/04			9/00		F 03 B	13/00			11/40		F 01 D	7/00
	F 04 D	29/60			25/24		F 03 D	9/00			11/50		F 03 B	3/14
214.1,215.1	F 01 D	25/24		F 03 B	3/00		F 04 D	13/00		F 01 D	7/00		F 04 D	29/36
	F 03 B	11/02			3/16			25/00		F 03 B	7/00	100,101	B 63 H	3/00
	F 03 D	11/00			11/02					F 03 D			B 64 C	11/06
	F 04 D	29/40		F 04 D	1/00					F 04 D	29/18			11/30
216.1	F 01 D	25/00			17/00						29/26		F 01 D	7/00
	F 03 B	11/00			29/42				54-59	F 01 B	23/00		F 03 B	3/14
	F 03 D	11/00	227,228	F 01 D	1/06					F 01 D	15/00		F 03 D	
	F 04 D	29/04			1/22					F 03 B	13/00		F 04 D	29/36
217.1	F 01 D	5/28			5/04					F 04 D	29/00	102	B 63 H	3/00
	F 03 B	1/02			5/12	1	B 63 H		60	D 05 B	81/00		B 64 C	11/06
		3/12			9/00		B 64 C	11/00	61-63	B 63 H	1/00			11/30
	F 03 D	1/06			25/24			27/00			3/00			27/52
		3/06		F 03 B	3/00						5/00		F 01 D	7/00
		5/00			3/12	2	F 03 D	1/00			7/00		F 03 B	3/14
	F 04 D	7/00			11/02		B 63 H			B 64 C	11/00		F 03 D	
		29/02		F 04 D	1/00			3/00			27/00		F 04 D	29/36
218.1	F 01 D	5/02			17/00			5/00		F 01 D	5/00		B 64 C	27/32
	F 03 B	1/02			29/18		B 64 C	11/00			25/00	103	B 63 H	3/00
		3/12			29/26		F 01 D	5/00		F 03 B	3/12	104	B 64 C	27/46
	F 03 D	1/06			29/40			25/00		F 03 D		105	B 64 C	27/51
		3/06	229	F 01 D	25/00		F 03 B	3/12	64-68	F 04 D	29/00	106,107	B 63 H	3/00
		5/00			25/16		F 03 D	11/00	69-73	A 01 M	3/02	108-119	B 64 C	11/06
	F 04 D	29/18		F 03 B	11/00		F 04 D	29/00		A 45 B	27/00			11/30
		29/26			11/06	3	F 03 G	7/00		A 47 J	43/10			27/00
219.1	F 01 D	1/00		F 03 D	11/00	4	B 63 H	9/02			43/27		F 01 D	7/00
		9/00		F 04 D	29/04		B 64 C	23/08			43/27		F 03 B	3/14
		25/24	230,231	F 01 D	25/00		F 01 D	1/36	74	B 63 H	16/06		F 03 D	
	F 03 B	3/00			25/16		F 03 B	5/00	75	A 45 B	27/02		F 04 D	29/36
		11/02		F 03 B	11/00		F 01 D	25/00		A 47 J	43/10	120-123	B 63 H	5/08
	F 03 D	1/06			11/06	5	F 03 D	11/00			43/27		B 64 C	11/46
		11/00		F 04 D	29/10		F 04 D	29/00		A 47 J	43/27			27/08
	F 04 D	29/18		F 01 D	25/00	6	F 01 D	5/00	76,77		43/27		F 01 D	1/24
		29/26	232	F 03 B	11/00			7/00	78	B 63 H	5/02		F 03 D	1/02
		29/40		F 03 D	11/00		F 03 B	7/00	79-83	F 03 D	5/06		F 04 D	29/18
220	F 01 D	1/00		F 04 D	29/00		F 03 D		84-86	B 63 H	1/38			29/26
		1/04			13/00	7,8	B 63 H	1/34		F 03 B	7/00	124-129	B 63 H	5/10
		1/20	900	F 04 D	7/00		F 01 D	23/00		F 03 D	1/06		B 64 C	11/48
		9/00		F 03 B	13/02		F 03 B	9/00	87-89	B 63 H	1/22		F 01 D	1/24
		25/24	901	F 04 D	13/10		F 03 D	5/02			11/28		F 03 D	1/02
	F 03 B	1/00		F 01 D		9-17	F 03 B	7/00		B 64 C	11/06		F 04 D	29/18
		3/04	902	F 03 B				9/00			27/37			29/26
		11/02		F 03 D		18	F 03 D				27/72	130	B 63 H	5/08
	F 03 D	1/04		F 04 D			B 63 H	1/06			7/00		B 64 C	11/46
	F 04 D	3/00			13/02			3/00		F 01 D	7/00			27/08
		19/00	903	F 03 B	13/04		B 64 C	11/30		F 03 B	3/14			27/80
221	F 01 D	29/52	904	F 03 B	3/00		F 01 D	7/00			7/00		F 01 D	1/24
		1/00	905		5/00			19/00					F 03 D	1/02
		1/04			7/00			21/00		F 03 D	29/18		F 04 D	29/18
		1/20			11/00		F 03 B	7/00	90-92	B 64 C	29/26			29/26
		9/00			1/02	19	F 03 D	9/00		F 01 D	5/18	131-143	B 63 H	1/06
	F 03 B	25/24	906	B 63 H	1/12		B 63 H	3/00		F 03 B	3/12		B 64 C	5/12
		3/04		F 03 B	7/00			5/00		F 03 D	11/02			11/12
		11/02			13/12		B 64 C	11/00		F 04 D	29/38			11/28
	F 04 D	3/00	907	F 03 D	1/00		F 01 D	5/00		B 63 H	1/28			27/50
		19/00			3/00			7/00	93	F 01 D	5/00		F 01 D	5/00
		29/52	908	F 03 D	1/00		F 03 B	3/12		F 03 B	3/12		F 04 D	29/18
222,223	F 01 D	1/00	909	F 03 D	7/00			7/00		F 03 D	1/06			29/26
		1/04			9/00		F 03 D			B 64 C	11/14	144,145	B 63 H	1/00
		1/20			11/00		F 04 D	29/18		B 63 H	1/14			3/00
		9/00	910	F 03 B	3/10	20-22	B 63 H	11/00			7/02			5/00
		25/24	911	F 01 D	1/30		B 64 C	15/02	94		11/00			7/00
		1/00		F 04 D	29/44			27/18	95-97	B 64 C	5/08		B 64 C	11/00
	F 03 B	3/04	912	F 01 D	25/00					F 01 D				
		11/02		F 03 B	11/00									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Class 416—Con.			U.S. Class 417			U.S. Class 418			U.S. Class 419			U.S. Class 420		
U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
		13/00			7/00			7/00			7/00			32
		15/00			F 03 D			11/00			11/02			F 04 B
		11/00			F 04 D			29/38			29/38			F 04 B
		27/00			B 63 H			1/14			1/26			F 04 B
		25/00						5/06			5/06			F 04 B
		3/12						7/02			7/02			F 04 B
		29/00						11/16			11/24			F 04 B
		7/74						27/46			27/46			F 04 B
		21/04						5/22			5/18			F 04 B
		1/00						25/04			3/12			F 04 B
		3/00						3/12			7/00			F 04 B
		5/00						11/04			11/02			F 04 B
		7/00						11/00			29/38			F 04 B
		13/00						29/66			1/26			F 04 B
		15/00						1/26			5/06			F 04 B
		11/00						7/02			7/02			F 04 B
		27/00						11/16			11/16			F 04 B
		25/00						27/46			27/46			F 04 B
		3/12						5/14			5/14			F 04 B
		9/00						3/12			3/12			F 04 B
		29/00						7/00			7/00			F 04 B
		1/06						11/02			11/02			F 04 B
		3/00						29/38			29/38			F 04 B
		11/06						1/28			1/28			F 04 B
		11/30						5/00			5/00			F 04 B
		27/00						7/00			7/00			F 04 B
		7/00						5/02			5/02			F 04 B
		3/14						5/08			5/08			F 04 B
		29/36						13/00			13/00			F 04 B
		1/06						15/00			15/00			F 04 B
		3/00						27/08			27/08			F 04 B
		27/52						27/32			27/32			F 04 B
		7/00						27/82			27/82			F 04 B
		3/14						1/24			1/24			F 04 B
		29/36						13/12			13/12			F 04 B
		1/06						29/00			29/00			F 04 B
		3/00						1/26			1/26			F 04 B

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 417—Con.			394	F 04 B	43/10	534-538	F 04 B	41/06	40-44	F 01 C	21/12	150	F 01 C	27/00
240,241	F 04 F	37/00	395	F 04 B	45/00	539-544	F 04 B	21/02		F 03 C	2/00		F 03 C	2/00
242	F 04 B	7/00			43/06			39/10		F 04 C	2/00		F 04 C	4/00
243	F 04 B	49/00	396-409	F 04 B	45/00	545-554	F 04 B	11/00			15/02	151,152	F 01 C	21/00
		23/00			35/00			21/04			29/08		F 03 C	2/00
244-268	F 04 B	25/00	410,411	F 04 B	17/00	555.1,555.2	F 04 B	39/10	45	F 01 C	5/00		F 04 C	2/00
		3/00			35/04			21/02		F 03 C	2/00		F 04 C	4/00
		5/00	412	F 04 B	43/00	556	F 04 B	21/04		F 04 C	4/00		F 04 C	2/00
		25/00			45/00			39/00			2/00			15/00
269	F 04 B	1/12	413	F 04 B	17/00	557	F 04 B	21/00			5/00	153-156	F 01 C	5/00
		27/08	414,415	F 04 B	17/00	558-571	F 04 B	39/00		F 16 N	13/20		F 03 C	2/00
270	F 04 B	1/26			35/04			21/02	46,47	F 01 C	21/00		F 04 C	4/00
		27/08	416-418	F 04 B	17/04	572	F 04 B	21/00		F 03 C	2/00		F 04 C	2/00
271,272	F 04 B	1/00			35/04			39/00		F 04 C	4/00			5/00
		27/00	419-422	F 04 B	17/00	900	F 04 B	15/02			2/00			29/00
273	F 04 B	1/04	423.1-424.2	F 04 B	17/00	901	F 04 B	15/08			15/00	157,158	F 01 C	21/00
		27/04			35/04	902	F 04 B	17/00			29/00		F 03 C	2/00
274-311	F 04 B	49/00	425	F 04 B	9/14			35/00		F 16 N	13/20			4/00
312,313	F 04 B	21/00			17/00	903	F 04 B	9/02	48	F 01 C	1/10		F 04 C	2/00
		39/00	426-429	F 04 B	23/04						5/00			15/00
314,315	F 04 B	19/00			41/06					F 03 C	2/00			29/00
		37/00	430-435	F 04 B	21/00	U.S. Class 418				F 04 C	4/00	159	F 01 C	21/12
316-318	F 04 B	9/00			39/00	ROTARY EXPANSIBLE CHAMBER					5/00		F 03 C	2/00
		17/00	436	F 04 B	19/00	DEVICES					18/00		F 04 C	4/00
319	F 04 B	9/00	437	F 04 B	39/06	1	F 01 C	2/00	49-67	F 16 N	13/20			15/02
		35/00	438	F 04 B	21/00		F 03 C	4/00		F 01 C	1/02	160-165	F 01 C	1/00
320	F 04 B	19/14	439	F 04 B	39/00			2/00		F 03 C	1/063		F 03 C	2/00
321	F 01 B	23/08	440,441	F 04 B	23/00		F 04 C	4/00			4/00		F 04 C	4/00
	F 04 B	17/00			41/00		F 16 N	13/20		F 04 C	2/00			2/00
322-333	F 04 B	17/00	442	F 04 B	21/00		F 01 C	21/00			18/00	166-171	F 01 C	1/10
		35/00			39/00	2	F 03 C	2/00		F 16 N	13/20		F 03 C	2/00
334-336	F 04 B	17/00	443-446	F 04 B	7/00			4/00	68	F 01 C	3/00			4/00
		35/00	447	F 04 B	21/00		F 04 C	2/00		F 03 C	2/00		F 04 C	2/00
337-339	F 04 B	17/00			39/00			2/00			4/00			18/00
		35/00	448-453	F 04 B	47/00		F 16 N	13/20		F 04 C	2/00	172-177	F 01 C	1/00
340	F 04 B	31/00	454-459	F 04 B	21/00		F 01 C	1/30			3/00		F 03 C	2/00
341-352	F 04 B	17/00	460-469	F 04 B	19/02	3	F 03 C	2/00	69-82	F 01 C	21/00		F 04 C	2/00
		35/00			29/00			4/00		F 03 C	2/00			18/00
353,354	F 04 B	17/00	470,471	F 04 B	19/00		F 04 C	2/00			4/00	178-180	F 01 C	21/00
		35/04			37/00			18/00		F 04 C	2/00		F 03 C	2/00
355	F 04 B	17/00	472,473	F 04 B	43/00		F 01 C	5/00			15/00			4/00
		35/00			45/02	4	F 01 D	23/00			29/00		F 04 C	2/00
356,357	F 04 B	17/00	474-477	F 04 B	43/08		F 03 C	5/00	83-102	F 01 C	21/04			15/00
		35/04			43/12		F 04 C	15/00		F 03 C	2/00	181	F 01 C	13/00
358	F 04 B	47/10	478	F 04 B	43/08			29/00			4/00		F 03 C	2/00
359-365	F 04 B	17/00			45/06	5-13	F 01 C	1/30		F 04 C	15/00		F 04 C	2/00
		35/00	479,480	F 04 B	43/00			11/00			27/02			13/00
366	F 04 B	17/00	481-484	F 04 C	21/00		F 03 C	2/00			29/02	182	F 01 C	17/00
		39/02	485	F 04 B	23/00			4/00		F 03 C	2/00		F 03 C	2/00
		39/06			41/00		F 04 C	2/00			29/04			25/00
367	F 04 B	17/00	486-488	F 04 B	19/00			11/00	103	F 01 C	21/00		F 04 C	2/00
		35/00			37/00			13/00		F 03 C	2/00			4/00
368-373	F 04 B	39/06	489-491	F 04 B	7/04	14	F 01 C	21/00		F 04 C	2/00			15/00
		17/00			39/10		F 03 C	2/00			29/00			29/00
		35/00	492	F 04 B	7/06			4/00			19/00	183-188	F 16 N	13/20
		39/02			39/10		F 04 C	2/00	104-111	F 01 C	19/00		F 01 C	21/00
374	F 04 B	9/14	493-499	F 04 B	7/04			15/00		F 03 C	2/00		F 04 C	15/00
		17/00			39/10			29/00			27/00	189,190	F 01 C	21/00
		35/00	500	F 04 B	7/06	15	F 01 C	2/00		F 04 C	2/00		F 03 C	4/00
375	F 04 B	17/00	501	F 04 B	7/04		F 03 C	4/00			15/00			2/00
		35/00			39/10			2/00			27/00		F 04 C	2/00
376	F 04 B	47/08	502,503	F 04 B	23/00		F 04 C	2/00	112-129	F 01 C	19/02			15/00
377	F 04 B	17/00			41/00		F 16 N	13/20		F 03 C	2/00			29/00
		35/00	504	F 04 B	49/00	16-32	F 01 C	21/16		F 04 C	2/00	191-198	F 01 C	1/08
378	F 04 B	9/08	505,506	F 04 B	7/00		F 03 C	2/00			4/00		F 03 C	1/24
		35/02			39/08			4/00			15/00			2/00
379-382	F 04 B	17/00	507,508	F 04 B	7/02		F 04 C	2/00			27/00			4/00
		35/00			39/08			15/04	130-135	F 01 C	19/08		F 04 C	2/00
383	F 04 B	9/08	509	F 04 B	7/04	33-38	F 01 C	1/00		F 03 C	2/00			18/00
		35/02			39/10		F 03 C	2/00			4/00		F 16 N	13/20
384	F 04 B	9/12	510-520	F 04 B	7/00			4/00		F 04 C	2/00	199,200	F 01 C	11/00
		35/02	521,522	F 04 B	23/04		F 04 C	2/00			15/00		F 03 C	2/00
385-389	F 04 B	9/08			41/06			18/00			27/00			4/00
		35/02	523-528	F 04 B	21/04	39	F 01 C	13/00	136-149	F 01 C	19/00		F 04 C	2/00
390	F 04 B	9/08	529	F 04 B	21/04			21/00		F 03 C	2/00			11/00
		17/00			23/04		F 03 C	2/00			4/00	201-203	F 01 C	1/16
391-393	F 04 B	17/00	530	F 04 B	21/04		F 04 C	2/00		F 04 C	15/00			1/24
		35/00	531,532	F 04 B	21/02			15/00						
		35/00			39/10			29/00						
		35/00	533	F 04 B	23/04									

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC		
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation
U.S. Class 418—Con.						252	F 01 C	21/00	60	C 22 C	38/18	428	C 22 C	27/06			21/10
			F 03 C		2/00	61	C 22 C	38/22	62	C 22 C	38/16	429-431	C 22 C	27/04	542,543	C 22 C	21/06
	F 03 C	2/00			4/00	62	C 22 C	38/16	63	C 22 C	38/22	432	C 22 C	27/00	544	C 22 C	21/04
		4/00	F 04 C		2/00	64,65	C 22 C	38/18	66	C 22 C	38/24	433	C 22 C	28/00	545	C 22 C	21/06
	F 04 C	2/00			15/00	66	C 22 C	38/26			38/26	434	C 22 C	22/00	546	C 22 C	21/04
		18/00			29/00			38/28			38/28	435-440	C 22 C	19/07			21/08
204	F 01 C	1/24	253-259	F 01 C	1/00			38/28			38/28	441	C 22 C	19/03	547	C 22 C	21/06
	F 03 C	2/00		F 03 C	2/00			38/22			38/22	442-454	C 22 C	19/05	548	C 22 C	21/02
		4/00			4/00	67	C 22 C	38/28			38/28	455-460	C 22 C	19/03	549	C 22 C	21/04
	F 04 C	2/00		F 04 C	2/00	68	C 22 C	38/24			38/24	461-468	C 22 C	5/04	550-554	C 22 C	21/00
		18/00			18/00	69	C 22 C	38/26			38/26	469	C 22 C	9/00	555,556	C 22 C	28/00
205,206	F 01 C	1/18	270	F 01 C	21/00			38/24			38/24	470	C 22 C	9/02	557,558	C 22 C	13/00
		1/24		F 03 C	2/00	70	C 22 C	38/26			38/26	471	C 22 C	9/01	559	C 22 C	13/02
	F 03 C	2/00			4/00			38/28			38/28			9/02	560	C 22 C	13/00
		4/00		F 04 C	2/00			33/00			33/00	472	C 22 C	9/02	561,562	C 22 C	13/02
	F 04 C	2/00			15/00	71	C 22 C	38/04			38/04	473	C 22 C	9/02	563	C 22 C	11/00
		18/00			29/00	72	C 22 C	38/08			38/08			9/02	564,565	C 22 C	11/02
207	F 16 N	13/20				73	C 22 C	38/58			38/58			9/05	566,567	C 22 C	11/00
	F 01 C	1/00				74	C 22 C	38/14			38/14	474	C 22 C	9/02			11/06
	F 03 C	2/00				75	C 22 C	38/16			38/16			9/08	568	C 22 C	11/06
		4/00				76	C 22 C	38/06			38/06	475	C 22 C	9/02	569	C 22 C	11/06
	F 04 C	2/00				77,78	C 22 C	38/18			38/18			9/04			11/10
		18/00				79	C 22 C	38/08			38/08			9/08	570	C 22 C	11/06
208	F 01 C	1/00		B 22 F		80	C 22 C	38/10			38/10	476	C 22 C	9/02	571	C 22 C	11/06
		11/80		C 22 C	1/04			38/12			38/12			9/04			11/10
	F 03 C	2/00			33/02	81	C 22 C	38/00			38/00	477	C 22 C	9/04	572	C 22 C	11/08
		4/00		B 22 F		82,83	C 22 C	38/60			38/60	478	C 22 C	9/01	573	C 22 C	11/04
	F 04 C	2/00		B 22 F	5/00	84-87	C 22 C	33/00			33/00			9/04	574,575	C 22 C	11/00
		11/00		B 22 F		88	C 22 C	38/16			38/16	479	C 22 C	9/01	576,577	C 22 C	12/00
		18/00		B 22 F	7/00	89	C 22 C	38/20			38/20			9/04	578	C 22 C	29/00
		23/00			7/02	90	C 22 C	38/42			38/42	480	C 22 C	9/06			35/00
209-214	F 01 C	11/00			7/04	91	C 22 C	38/16			38/16			9/01	579	C 22 C	28/00
	F 03 C	2/00			7/06	92,93	C 22 C	38/08			38/08			9/04	580,581	C 22 C	30/00
		4/00		B 22 F	32/00	94	C 22 C	38/10			38/10	481,482	C 22 C	9/05	582	C 22 C	30/02
	F 04 C	2/00		B 22 F	3/26	95	C 22 C	38/52			38/52			9/06	583-586	C 22 C	30/00
		11/00		B 22 F	3/24			38/12			38/12			9/04	587	C 22 C	30/02
		23/00		C 21 D	1/00	96	C 22 C	38/40			38/40	483,484	C 22 C	9/04	588	C 22 C	30/00
215-219	F 01 C	1/00		B 22 F	1/00	97	C 22 C	38/08			38/08	485	C 22 C	9/06	589	C 22 C	30/04
	F 03 C	2/00		B 22 F	1/02	98	C 22 C	38/00			38/00	486	C 22 C	9/01	590	C 22 C	1/00
		4/00				99	C 22 C	38/18			38/18			9/06	591	C 22 C	
	F 04 C	2/00		B 22 F	1/04	100	C 22 C	38/22			38/22	487	C 22 C	9/05	900	C 01 B	6/24
		18/00		C 22 C	1/06	101	C 22 C	38/30			38/30			9/06			
220	F 01 C	21/08			33/02	102	C 22 C	38/18			38/18	488	C 22 C	9/00	901	C 22 C	
	F 03 C	2/00				103	C 22 C	38/22			38/22	489	C 22 C	9/01			1/02
		4/00				104	C 22 C	38/00			38/00			9/06			12/00
	F 04 C	2/00		B 22 F		105,106	C 22 C	38/30			38/30			9/08	902,903	C 22 C	
		15/00				107	C 22 C	38/40			38/40	490	C 22 C	9/00			
221,222	F 01 C	1/00				108	C 22 C	38/46			38/46	491	C 22 C	9/05			
	F 03 C	2/00				109	C 22 C	38/12			38/12	492	C 22 C	9/00			
		4/00						38/14			38/14	493	C 22 C	9/06			
	F 04 C	2/00				110	C 22 C	38/00			38/00	494,495	C 22 C	9/00			
		18/00		C 22 C	43/00			38/14			38/14	496	C 22 C	9/05			
223,224	F 01 C	21/00		C 22 C	38/00	111	C 22 C	38/08			38/08	497-500	C 22 C	9/00			
	F 03 C	2/00		C 22 C	38/36	112	C 22 C	38/12			38/12	501	C 22 C	5/06			
		4/00		C 22 C	37/00	113	C 22 C	38/22			38/22	502,503	C 22 C	5/08			
	F 04 C	2/00		C 22 C	37/04	114	C 22 C	38/00			38/00	504	C 22 C	5/08	1	A 01 N	2/00
		15/00		C 22 C	37/00	115,116	C 22 C	38/18			38/18			5/10		A 61 L	9/00
		29/00		C 22 C	37/06			38/00			38/00	505	C 22 C	5/06			11/00
225-234	F 01 C	1/00		C 22 C	37/08	117	C 22 C	38/02			38/02	506	C 22 C	5/10		C 23 F	11/00
	F 03 C	2/00		C 22 C	33/10	118	C 22 C	38/14			38/14	507-512	C 22 C	5/02	2	A 61 L	2/00
		4/00		C 22 C	33/12			38/08			38/08	513	C 22 C	18/00	3	G 05 B	
	F 04 C	2/00		C 22 C	33/10	119	C 22 C	38/04			38/04	514	C 22 C	18/04	4,5	A 61 L	9/00
		18/00		C 22 C	37/00	120	C 22 C	38/12			38/12	515-518	C 22 C	18/02	6	B 08 B	17/00
235	F 01 C	21/00		C 22 C	37/10	121	C 22 C	38/00			38/00			18/04	7,8	C 23 F	11/00
	F 03 C	2/00		C 22 C	33/08	122-124	C 22 C	38/14			38/14	519,520	C 22 C	18/04	9,10	C 23 F	11/02
		4/00		C 22 C	38/18	125,126	C 22 C	38/12			38/12	521,522	C 22 C	18/02	11	C 23 F	11/00
	F 04 C	2/00		C 22 C	38/30	127	C 22 C	38/00			38/00	523,524	C 22 C	18/00			11/02
		15/00		C 22 C	38/52	128	C 22 C	33/00			33/00	525	C 22 C	20/00	12	C 23 F	11/04
236-238	F 01 C	29/00		C 22 C	38/18	129	C 22 C	24/00			24/00	526,527	C 22 C	7/00	13	C 23 F	11/06
		1/00		C 22 C	38/60	400	C 22 C	25/00			25/00	528	C 22 C	21/00	14	C 23 F	11/00
	F 03 C	2/00		C 22 C	38/40	401	C 22 C	23/00			23/00	529,530	C 22 C	21/12	15	C 23 F	11/16
		4/00		C 22 C	38/58	402-404	C 22 C	23/06			23/06	531	C 22 C	21/10	16	C 23 F	11/04
	F 04 C	2/00		C 22 C	38/42	405,406	C 22 C	23/02			23/02			21/18	17	C 23 F	11/10
		18/00		C 22 C	38/40	407	C 22 C	23/02			23/02	532	C 22 C	21/06	18,19	C 23 F	11/18
239	F 01 C	21/00		C 22 C	38/48	408,409	C 22 C	23/04			23/04			20-25	20-25	A 61 L	2/00
	F 03 C	2/00			38/50			23/02			23/02			26,27	26,27	A 61 L	2/03
		4/00		C 22 C	38/44	410	C 22 C	23/02			23/02	533	C 22 C	21/06	28	A 01 N	
	F 04 C	2/00		C 22 C	38/44	411,412	C 22 C	23/04			23/04			21/16		A 61 L	2/00
		15/00		C 22 C	38/48	413,414	C 22 C	24/00			24/00	534-536	C 22 C	21/08			9/00
240-251	F 01 C	1/00		C 22 C	38/48	415	C 22 C	28/00			28/00	537	C 22 C	21/16	29-32	A 61 L	9/00
	F 03 C	2/00		C 22 C	38/50	416	C 22 C	14/00			14/00			21/04	33-37	A 01 N	
		4/00		C 22 C	38/40	417-421	C 22 C	16/00			16/00	538,539	C 22 C	21/12	38,39	A 61 L	2/00
	F 04 C	2/00		C 22 C	38/38	422,423	C 22 C	27/00			27/00			21/10	40-43	B 01 J	19/00
		18/00		C 22 C	38/58	424-427	C 22 C	27/02			27/02	540	C 22 C	21/06	44-48	A 61 M	1/34
												541	C 22 C	21/06			

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 422—Con.						U.S. Class 423								
1/36			144,145	F 27 B	15/00	CHEMISTRY, INORGANIC			29-31	C 22 B	7/00	C 01 G		37/00
49	B 01 J		146	F 27 B	15/08					B 01 D	15/00	C 01 G		39/00
50	G 01 N			F 27 B	15/14					B 01 F	1/00	C 01 G		41/00
51	G 01 N	25/20	147	F 27 B	15/16	1	C 01 B			C 01 G	3/00	C 01 G		37/00
52	G 01 N	21/76	148	C 01 C	1/00		C 01 C				5/00	C 22 B		39/00
53	G 01 N	17/00	149	B 01 J			C 01 D				7/00	C 22 B		41/00
54	G 01 N	27/00	150-158	C 09 C	1/00		C 01 F			C 22 B	11/08	C 01 G		37/08
55	G 01 N	21/00	159	G 21 C	1/00		C 01 G				15/00	C 22 B		39/00
56-60	G 01 N	21/00	160,161	C 01 B	17/48	2	C 22 B	13/00	32,33	B 01 D	11/00	C 22 B		41/00
		31/22	162	C 01 B	6/00		C 01 F	15/00		B 01 F	1/00	C 22 B		34/30
61	G 01 N		163	C 01 B			C 01 G	43/00		C 01 G	3/14	C 01 G		37/14
62-67	G 01 N	21/00	164,165	B 01 J	3/00			56/00			5/00	C 22 B		39/00
		31/00			8/00	3	C 01 G	57/00		C 22 B	11/00	C 22 B		41/00
		33/00			15/00			56/00			15/00	C 01 G		34/30
68	G 01 N				16/00	4-7	C 01 G	57/00	34	C 01 G	3/00	C 01 G		39/00
69	G 01 N	30/96	166,167	B 01 J	19/00			56/00			5/00	C 22 B		41/00
70	G 01 N	30/02	168	B 01 D	50/00	8-10	C 22 B	60/02		C 22 B	11/00	C 01 G		37/14
71	G 01 N	23/06			53/34		B 01 D	11/00		C 01 G	3/02	C 01 G		39/00
72	G 01 N	9/30		F 01 N	3/00		C 01 G	56/00	35	C 01 G	5/00	C 22 B		41/00
73	G 01 N	33/00		F 23 J	11/00			57/00			7/00	C 22 B		34/30
74	G 01 N	33/04	169-172	B 01 D	50/00	11,12	C 22 B	60/02		C 22 B	3/00	C 01 G		31/00
75	G 01 N	31/16	173-175	F 01 N	3/10		C 01 G	56/00	36	C 01 G	3/10	C 01 G		33/00
76,77	G 01 N	27/02	176	F 01 N	3/08			57/00			5/00	C 22 B		35/00
78-80	G 01 N	31/12	177-183	B 01 D	50/00	13	C 22 B	60/02			7/00	C 22 B		34/20
81,82	G 01 N	21/00			53/34		C 01 G	29/00		C 22 B	3/00	B 01 D		11/00
		31/00	184	B 09 B				56/00	37	C 01 G	3/12	C 01 G		31/00
		33/00	185	D 21 C	11/00			57/00			5/00	C 22 B		33/00
83	G 01 N	7/00	186	B 01 J	19/08	14	C 22 B	60/02			7/00	C 22 B		34/20
		21/00	186.01-186.3	B 01 J	19/08		C 01 F	17/00	38-40	B 01 D	11/00	C 01 G		31/00
		27/00			19/12		C 01 G	56/00		B 01 F	1/00	C 22 B		33/00
		31/00	187	B 01 J	8/00	15	C 22 B	57/00		C 01 G	3/04	C 22 B		35/00
		33/00	188,189	B 01 J	10/00		C 01 F	60/02			5/00	C 22 B		34/20
84,85	G 01 N	1/22			10/00	16	C 01 G	43/00			7/00	C 22 B		11/00
		31/00	190	B 01 J	8/04		C 01 G	1/02		C 22 B	11/06	B 01 D		31/00
86,87	G 01 J	1/48	191-197	B 01 J	8/04	17,18	B 01 D	43/025	41	B 01 D	15/00	B 01 F		1/00
88	G 01 N	30/96			10/00		B 01 F	11/00		B 01 F	11/00	C 01 G		33/00
89	G 01 N	30/02	198,199	F 28 D	7/00		C 01 G	43/00		B 01 F	1/00	C 22 B		35/00
90	G 01 N	27/04	200,201	F 28 D	21/00			56/00		C 01 G	3/10	C 22 B		34/20
91	G 01 N	17/00	202-208	F 28 D	8/08	19	B 01 J	57/00			7/00	C 01 G		23/00
92	G 01 N	7/00	209,210	B 01 J	8/02		C 22 B	60/02		C 22 B	11/00	C 22 B		25/00
93	G 01 N	31/12	211,212	B 01 J	35/02		C 01 G	43/00			15/00	C 22 B		27/00
94	G 01 N	27/16			8/08			56/00	42,43	C 01 G	3/00	C 22 B		34/10
95-97	G 01 N	27/00	213-217	B 01 J	8/02			57/00			5/00	B 01 D		11/00
98	G 01 N	3/00	218	B 01 J	35/02	20	C 22 B	60/02		C 22 B	3/00	C 01 G		23/00
99	B 01 L	3/02			8/08		B 01 D	11/00			11/00	C 22 B		25/00
100	B 01 L	11/00	219	B 01 J	8/02		B 01 F	1/00		C 22 B	3/00	C 22 B		27/00
101	B 01 L	3/00	220-222	B 01 J	35/02		C 01 G	43/00			11/00	C 22 B		34/10
102	B 01 L	11/00			23/90			56/00	44	C 01 G	3/00	C 01 G		23/00
103	B 01 L	9/00	223	B 01 J	8/08			57/00			5/00	C 22 B		25/00
104	B 01 L	1/00	224-231	B 01 F	8/08	21,1,21.5	C 22 B	60/02		C 22 B	7/00	C 22 B		27/00
105	G 05 B	9/00	232,233	B 01 J	7/00	22	C 01 F	17/00		C 22 B	11/00	C 22 B		34/10
	G 05 D		234	B 01 J	7/00		C 01 G	55/00		C 01 G	15/00	C 01 G		23/02
106	G 05 D	23/00	235	F 28 D	19/00	23	C 22 B	11/00	45	C 01 G	3/10	C 22 B		25/04
107,108	G 05 D	7/00	236-239	B 01 J	3/00		C 01 G	5/00			7/00	C 22 B		27/04
109	G 05 D	16/00	240,241	B 01 J	5/00			7/00		C 22 B	11/00	C 22 B		34/10
110,111	G 05 D	31/00	242	B 01 D	11/00		C 22 B	15/00	46	C 01 G	3/04	C 01 G		23/00
112,113	F 16 K		243	B 01 D	9/00			15/04			5/00	C 22 B		34/10
114	G 05 B	17/00	244	B 01 D	11/04	24	B 01 D	3/00		C 22 B	3/00	C 01 G		23/02
	G 05 D	7/00	245-254	B 01 D	11/02		C 01 G	5/00			11/06	C 22 B		25/06
115	F 16 K	9/05	255	B 01 D	12/00			7/00	47	C 01 G	3/00	C 22 B		27/04
116	G 05 B	11/26	256-260	B 01 D	15/00		C 22 B	11/00			5/00	C 22 B		34/10
117	G 05 B	1/00	261-284	B 01 D	3/00	25	B 01 D	15/00		C 22 B	7/00	C 01 G		23/00
118	G 05 B	13/00			17/00		B 03 C	1/00		C 01 G	15/00	C 22 B		27/00
119	G 01 D	13/00	285-290	B 01 D	19/00		C 01 G	3/00	48	C 01 G	3/12	C 22 B		34/10
	G 01 N	15/02	291	B 01 J	2/00			5/00			5/00	B 01 D		11/02
	G 05 B	10/00	292-304	A 61 L	9/00			7/00			7/00	C 01 G		23/00
120-126	A 62 B	10/02	305,306	A 61 L	9/00		C 22 B	11/00		C 22 B	11/00	C 22 B		25/00
127,128	B 06 B	12/00		B 01 J	7/00	26	B 03 D	1/00	49-52	C 01 G	45/00	C 22 B		34/10
129	B 01 J	12/02	307-309	B 01 B	3/00		C 01 G	5/00			47/00	C 01 G		28/00
		14/00		B 01 D	5/00			7/00			57/00	C 22 B		30/00
		15/00	310	B 01 J	7/00			7/00		C 22 B	47/00	C 22 B		30/00
		16/00			19/30		C 22 B	11/00			61/00	C 01 G		30/00
129.1	C 11 D	19/00	311-900	B 01 J	19/32			15/00	53	C 01 G	37/00	C 22 B		17/00
		15/02	901,902	B 01 D		27,28	B 01 D	11/00			39/00	C 01 G		19/00
130	B 01 J	19/00	903	G 21 F			B 01 F	1/00			41/00	C 22 B		21/00
131-138	C 08 F			G 21 G			C 01 G	3/00		C 22 B	34/30	C 22 B		13/00
139-143	B 01 J	8/18		G 21 K				5/00	54	B 01 D	11/00	C 22 B		25/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 423—Con.				C 01 G	9/00			7/44			53/12			11/18
		41/00			11/00			7/46		C 22 B	1/00		C 22 B	26/20
		17/00			13/00		C 01 G	15/00			23/00	166	C 01 F	1/00
90	C 01 G	19/00		C 22 B	3/00		C 22 B	21/00	145		1/00			5/40
		21/00			17/00			35/00			49/14			11/46
		25/06			43/00			58/00			51/10		C 22 B	26/20
	C 22 B	13/00	110	C 01 G	9/00			61/00			51/12	167,168	C 01 F	1/00
		41/00			11/00	128	C 01 F	1/00			53/10			5/00
		17/04			13/00			3/00			53/12			11/00
91	C 01 G	19/04		C 22 B	17/00			7/74		C 22 B	1/00		C 22 B	26/20
		21/16			19/00		C 01 G	15/00			23/00	169	C 01 F	1/00
	C 22 B	13/00	111	C 01 F	43/00		C 22 B	21/00	146	C 01 G	1/00			5/16
		25/00			7/00			35/00			49/14			11/00
92,93	C 01 G	17/00		C 01 G	15/00	129,130	C 01 F	1/00		C 22 B	1/00		C 22 B	26/20
		19/00		C 22 B	21/00			3/00			23/00		C 01 F	1/00
		21/00			35/00			7/00	147	C 01 G	1/00			5/12
	C 22 B	13/00			58/00		C 01 G	15/00			49/02	171,172	C 04 H	11/02
		25/00			61/00		C 22 B	21/00			49/10	173-177	C 01 F	1/00
		41/00	112	H 01 D	11/00			35/00			49/14			5/06
94	C 01 G	17/04		C 01 F	1/00			58/00			51/04			11/06
		19/04			3/00			61/00			51/08		C 22 B	26/20
	C 22 B	21/16			7/00	131,132	B 01 D	11/00			51/10	178	C 01 F	1/00
		13/00		C 01 G	15/00		H 01 F	1/00			53/04			5/10
		25/00		C 22 B	21/00		C 01 F	1/00			53/08			5/12
		41/00			35/00			3/00		C 22 B	1/00			11/00
95	C 01 G	17/00			58/00		C 01 G	15/00			23/00	179	C 22 B	26/20
		19/00			61/00		C 22 B	21/00	148,149	C 01 G	1/00	179 5	C 01 D	15/00
		21/18	113	B 03 C	1/00			35/00			49/00	180	C 01 D	
	C 22 B	13/00		C 01 F	1/00			58/00			51/00	181	B 01 D	11/00
		25/00			3/00			61/00			53/00		C 01 D	
		41/00		C 01 G	15/00	133	C 01 F	1/00		C 22 B	1/00		C 22 B	26/10
96,97	C 01 G	17/00		C 22 B	21/00			3/00			23/00	182,183	C 01 D	3/06
		19/00			35/00			7/00	150	B 01 D	11/00		C 22 B	26/10
	C 22 B	13/00			58/00		C 01 G	15/00		B 01 F	1/00	184	C 01 D	1/32
		25/00			61/00		C 22 B	21/00		C 01 G	49/00			3/16
		41/00	114-117	C 01 F	1/00			35/00			51/00			7/26
98	B 01 D	11/00			3/00			58/00			53/00		C 22 B	26/10
	B 01 F	1/00			7/00			61/00		C 22 B	1/00	185-198	C 01 D	1/32
	C 01 G	17/00		C 01 G	15/00	134	C 01 F	3/00			23/00			3/16
		19/00		C 22 B	21/00	135,136	C 01 F	7/00	151,152	C 01 G	1/00			7/26
		21/00			35/00		C 01 G	15/00			49/08		C 22 B	26/10
	C 22 B	13/00			58/00		C 22 B	21/00			51/00	199	C 01 D	1/32
		25/00			61/00			58/00			53/00			3/16
		41/00	118	C 01 B	33/26			61/00		C 22 B	1/00			7/26
99	C 01 G	9/00		C 01 F	1/00	137	C 01 F	1/00			23/00		C 22 B	26/10
		11/00	119-121	C 01 F	1/00			3/00	153,154	C 01 G	1/00	200,201	C 01 D	
		13/00			7/04			7/00			49/00		C 22 B	26/10
	C 22 B	17/00			7/06		C 01 G	15/00			51/00	202	B 01 D	11/00
		19/00			7/08		C 22 B	21/02			53/00		C 01 D	
		43/00			7/10			35/00		C 22 B	1/00		C 22 B	26/10
100	B 03 C	1/00			7/12			58/00			23/00	203-207	C 01 D	
	C 01 G	9/00	122-124	C 01 F	1/00			61/00	155	C 01 F	1/00		C 22 B	26/10
		11/00			3/00	138	C 01 G	1/00			5/00	208	B 01 D	11/00
		13/00			7/00			49/00			11/00		C 01 D	
	C 22 B	17/00		C 01 G	15/00			51/00		C 22 B	26/20		C 22 B	26/10
		19/00		C 22 B	21/00			53/00	156	B 03 C	1/00	209	C 01 D	7/00
		43/00			35/00		C 22 B	1/00		C 01 F	1/00		C 22 B	26/10
101,102	C 01 G	9/00			58/00			23/00			5/00	210	B 01 D	47/00
		11/00			61/00	139	B 01 D	11/00			11/00		B 01 J	8/00
		13/00	125	C 01 F	1/00		C 01 G	1/00		C 22 B	26/20		C 01 B	
	C 22 B	17/00			3/00			49/00	157	B 01 D	11/00	210.5	B 01 D	47/00
		19/00			7/66			51/00		C 01 F	1/00		C 01 B	
		43/00		C 01 G	15/00			53/00			5/00	212	B 01 D	47/00
103	C 01 G	9/04		C 22 B	21/00		C 22 B	1/00			11/00			53/34
		11/00			35/00	140-142	C 01 G	1/00	158-161	C 22 B	26/20			53/36
	C 22 B	13/04			58/00			49/00		C 01 F	1/00		B 01 J	8/00
		17/00			61/00			51/00			5/00	213.2-213.7	C 01 B	
		19/00	126	C 01 F	1/00			53/00		C 22 B	26/20		C 01 B	8/02
		43/00			3/00		C 22 B	1/00	162	C 01 F	1/00			21/00
104-106	C 01 G	9/00		C 01 H	15/00			23/00			5/38			23/00
		11/00		C 22 B	21/00	143	C 01 G	1/00			11/36			25/00
	C 22 B	13/00			35/00			49/00		C 22 B	26/20			31/00
		17/00			58/00			51/12	163	C 01 F	1/00			33/00
		19/00			61/00			53/12			5/26		C 01 G	28/00
107,108	C 01 G	9/00	127	C 01 F	1/00		C 22 B	1/00			11/20			30/00
		11/00			3/00	144	C 01 G	1/00	164	C 01 F	1/00	215.5	B 01 D	45/00
	C 22 B	13/00			7/14			49/02			5/14			46/00
		17/00			7/20			51/04			11/02			47/00
		19/04			7/30			51/06		C 22 B	26/20			53/00
		43/00			7/34			51/12	165	C 01 F	1/00			57/00
109	B 01 D	11/00			7/38			53/04			5/24	219	B 03 C	3/00
	B 01 F	1/00			7/42								C 01 B	13/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 423—Con.														
220-234	C 01 B	17/16	345,346	C 01 B	33/06	433-436	C 01 G	11/18	523	C 01 B	17/82	609	C 01 G	23/04
		31/20	347	C 01 B	31/36	437,438	C 01 B	21/14	524	C 01 B	17/84	610-616	C 01 G	23/047
235	C 01 B	21/00	348-350	C 01 B	33/02	439	C 01 B	31/20	525-530	C 01 B	17/74	617	C 01 G	28/00
236-238	C 01 C	3/00	351	C 01 B	21/00	440	C 01 B	31/30	531	C 01 B	17/90			30/00
239	B 01 J	8/00	352	C 01 C	1/00	441,442	C 01 B	31/34	532-538	C 01 B	17/74	618	C 01 G	17/02
	C 01 B	21/00	353-357	C 01 C	1/02	443,444	C 01 B	31/32	539	C 01 B	17/48			19/02
240,241	C 01 B	7/00	358	C 01 C	1/08	445	C 01 B	31/26	540,541	C 01 B	17/50	619-621	C 01 G	21/02
242,243	C 01 B	17/00	359-363	C 01 C	1/04			31/00	542	C 01 B	17/52	622,623	C 01 G	9/02
244	B 01 J	8/00	364	C 01 B	21/06	446	B 01 J	31/02	543	C 01 B	17/54	624	C 01 F	3/00
	C 01 B	17/00	365	C 01 B	21/12			3/06	544	C 01 B	17/96		C 01 G	15/00
245.1-245.3	B 01 J	8/00		C 01 C	3/14			3/08	545	C 01 C	1/24	625-631	C 01 F	7/02
	C 07 C	11/24	366	C 01 C	21/093	447.1,447.2	D 01 F	9/12	546	C 01 C	1/245	632-634	C 01 G	49/02
246	C 01 B	31/18		C 01 C	3/20	447.3	D 01 C	5/00	547	C 01 C	1/24	635	C 01 F	5/02
	C 10 K	1/00	367	C 01 C	3/12			9/12	548	C 01 C	1/244			5/14
247	B 01 J	8/00	368	C 01 C	3/16	447.4-447.8	D 01 F	9/12	549,550	C 01 C	1/242	636-640	C 01 B	13/14
	C 01 B	31/18	369	C 01 C	3/16	447.9	D 01 F	9/16	551-553	C 01 D	5/00		C 01 F	5/02
	C 10 K	1/20		C 07 C	249/00	448	C 01 B	31/04			15/06			5/14
		1/32			251/00	449-459	C 01 B	31/02	554	C 01 F	5/42			11/02
		1/34			257/00		C 09 C	1/48			11/46	641,642	C 01 D	1/00
248	C 01 B	3/00			263/00	460	C 09 C	1/56	555	C 01 F	11/46			15/02
249	C 01 F	13/00			265/00	461	C 01 B	31/02	556	C 01 F	7/74	643	C 01 D	17/00
		15/00			267/00	462	C 01 B	7/00	557	C 01 G	3/10			1/24
	C 01 G	43/00			291/00	463	C 01 B	9/00	558	C 01 G	49/00			1/26
250,251	C 01 G	56/00	370	C 01 C	3/16	464	C 01 B	9/08	559	C 01 G	21/20			15/02
252	C 01 F	15/00	371	C 01 C	3/08	465	C 01 F	7/50	560	C 01 B	17/32			17/00
253-256	C 01 G	43/00	372-377	C 01 C	3/02	466	C 01 B	7/24			17/42	644	C 01 B	6/24
257	C 01 G	43/08	378-382	C 01 C	3/08	467-469	C 01 B	17/45				645	C 01 B	6/00
258,259	C 01 G	43/06	383	C 01 B	21/088			17/46	561.1	C 01 F		646,647	C 01 B	6/04
260	C 01 G	43/01	384	C 01 C	3/00	470,471	C 01 C	1/16	562	C 01 B	17/18	647.7	C 01 B	4/00
261	C 01 G	43/025	385	C 01 B	21/20	472	C 01 B	11/00			17/34	648.1,649	C 01 B	3/02
262	C 01 B	23/00	386	C 01 B	21/083	473,474	C 01 B	11/04			17/42	650	C 01 B	3/24
263	C 01 F	17/00			21/088	475	C 01 B	11/12				651-654	C 01 B	3/26
264-269	C 01 B				21/20	476	C 01 B	11/16				655	C 01 B	3/12
	C 01 C				21/20	477-480	C 01 B	11/02	563,564	C 01 B	17/16	656	C 01 B	3/16
	C 01 D				21/38	481,482	C 01 B	7/01	565,566	C 01 B	17/00			3/18
	C 01 F				21/44	483-485	C 01 B	7/19				657,658	C 01 B	3/08
	C 01 B				21/46	486,487	C 01 B	7/01				658.2	C 01 B	3/04
	C 01 B				21/48	488	C 01 B	7/07	566.1	C 01 G	9/08			3/06
	C 01 B				21/48	489	C 01 B	9/08			11/02			3/08
	C 01 B				21/48	490	C 01 D	3/02			13/00	658.3	C 01 B	3/50
	C 01 B				21/48		C 01 F	5/28	566.2	C 01 B	17/22	658.5	B 01 D	11/00
270,271	C 01 B	17/69	391	C 01 B	21/46			11/22	566.3	C 01 B	17/42			1/00
	C 01 B	15/037			21/38	491	C 01 B	9/00	567	C 01 B	17/00	659	C 01 B	
272,273	C 01 B		392	C 01 B	21/44	492-494	C 01 G		568-577	C 01 B	17/02		C 01 C	
274,275	C 01 C				21/46	495,496	C 01 F	3/00	578	C 01 B	17/027		C 01 D	
	C 01 F		393,394	C 01 B	21/40			7/48	579	C 01 B	13/00		C 01 F	
276	C 01 B	35/00			21/44			15/00	580	C 01 B	5/00		C 01 G	
277,278	C 01 B	35/10			21/46	497	C 01 F	5/26	581	C 01 B	13/10		C 22 B	
279-282	C 01 B	15/12	395	C 01 B	21/48			11/20			15/00			
		35/12			9/00	498	C 01 F	5/32	582	C 01 B	15/00			
283	C 01 B	35/10			15/10			5/34	583	C 01 B	15/04			
284,285	C 01 B	35/14			5/38	499	C 01 D	3/00	584	C 01 B	15/01			
286-288	C 01 B	6/13			7/66			15/04	585	C 01 B	15/03			
		35/00			11/36			17/00	586	C 01 B	15/032			
289	C 01 B	25/08	396	C 01 C	1/18	500-507	C 01 B	7/00	587	C 01 B	15/022			
		35/02	397,398	C 01 B	21/48	508	C 01 B	19/00	588-590	C 01 B	15/023	1.1	A 61 K	43/00
		21/064			9/00	509		25/14	591	C 01 B	15/024		A 61 M	36/14
290	C 01 B	31/36			15/10	510	C 01 B	19/04			15/026	2	G 01 N	1/00
291	C 01 B	35/06			5/38	511	C 01 B	19/02	592	C 01 B	13/14		G 01 N	33/48
292,293	C 01 B	6/10			7/66	512	C 01 B	17/00			1/00	3		1/00
294-296	C 01 B	35/04			11/36			17/45						1/30
297	C 01 B	35/02			21/48			17/46						31/00
298	C 01 B	25/00	399	C 01 B	21/22			17/62	593	C 01 F				33/48
299	C 01 B	25/10	400-402	C 01 B	21/24			17/98				4.5	A 61 K	49/04
300,301	C 01 B	21/06			21/26	513	C 01 B	15/06	594	C 01 G	49/00	6	A 61 K	9/20
302	C 01 B	25/00	403,404	C 01 B	21/24			15/08			51/00	7.1	A 61 K	49/00
		25/14	405	C 01 B	21/06	514	C 01 B	17/64			53/00		G 01 N	33/15
303	C 01 B	25/12	406	C 01 B	21/16	515,516	C 01 B	17/66	595-597	C 01 G	37/14	9	A 61 K	49/00
304	C 01 B	15/16	407,408	C 01 B	21/06	517	C 01 B	17/46	598	C 01 G	23/00		G 01 N	31/00
305-315	C 01 B	25/26	409	C 01 B	21/08			5/08	599	C 01 G	45/12			33/48
		25/16	410	C 01 B	21/076	518	C 01 D	5/10	600	C 01 F	7/02	10	A 61 K	49/00
316-321	C 01 B	25/01	411	C 01 B	21/072			7/76			7/16		G 01 N	33/15
322,323	C 01 B	25/02	412	C 01 B	21/00	519	C 01 G	37/10			28/02	11	G 01 N	31/00
		25/04	413	C 01 B	31/00			17/62	601-603	C 01 G	3/02			33/48
		33/00	414,415	C 01 G	1/04			1/22	604	C 01 G	5/00	40	A 01 N	25/06
324	C 01 B	15/14	416-418	C 01 B	31/24			5/14			7/00			25/18
325	C 01 B	33/20	419	C 01 C	1/26									25/20
		33/20	420	C 01 D	7/00				605	C 01 G	45/02		A 61 K	9/72
326	C 01 B	33/26	421-424	C 01 D	15/08	520	C 01 B	17/96			47/00		A 61 L	9/02
327	C 01 B	33/34			17/00			1/24			57/00	41,42	A 01 N	25/18
328-330	C 01 B	33/24	425	C 01 D	7/14			5/02	606	C 01 G	39/00			25/20
331	C 01 B	33/32	426	C 01 D	7/00						41/00		A 61 L	9/02
332-334	C 01 B	33/12	427	C 01 D	7/37				607	C 01 G	37/02	43	A 01 N	25/02
335-340	C 01 B	33/08	428,429	C 01 D	7/00	521	C 01 B	17/98	608	C 01 G	25/02		A 61 K	9/00
341-343	C 01 B	21/068	430-432	C 01 F	5/24	522	C 01 B	17/69			27/02		A 61 L	9/04

U.S. Class 424

DRUG, BIO-AFFECTING AND BODY
TREATING COMPOSITIONS

1.1	A 61 K	43/00
2	A 61 M	36/14
	G 01 N	1/00
		33/48
3	G 01 N	1/00
		1/30
		31/00
		33/48
4.5	A 61 K	49/04
6	A 61 K	9/20
7.1	A 61 K	49/00
	G 01 N	33/15
9	A 61 K	49/00
	G 01 N	31/00
		33/48
10	A 61 K	49/00
	G 01 N	33/15
11	G 01 N	31/00
		33/48
40	A 01 N	25/06
		25/18
		25/20
	A 61 K	9/72
	A 61 L	9/02
41,42	A 01 N	25/18
		25/20
	A 61 L	9/02
43	A 01 N	25/02
	A 61 K	9/00
	A 61 L	9/04

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 424—Con.				A 61 K	35/12	483-489	A 61 K	9/14			15/00			25/12
					35/56	490-498	A 61 K	9/16		B 29 C	31/04		A 21 C	9/04
44,45	A 61 L	9/04	96	A 61 K	35/38			9/50		B 29 D	30/00		A 23 G	1/20
46	A 61 K	9/14	97	A 61 K	35/54	499-502	A 61 K	9/50			30/52			1/22
	A 61 L	9/04	98	A 61 K	35/58	600	A 01 M	59/00	28.1,29	B 29 D	29/00			3/12
47	A 61 K	7/00	99,100	A 61 K	35/22		A 61 K	33/00	30-50	B 29 C	35/00			3/16
		9/00	101	A 61 K	35/14	601-606	A 01 N	59/26		B 29 D	29/00		A 23 P	1/00
48	A 61 K	9/68	102	A 61 K	35/64		A 61 K	33/42	51-58.1	B 29 D	29/00		A 47 J	43/20
49	A 61 K	7/16	103	A 61 K	35/12	607-612	A 01 M	59/24	59	B 28 B	1/00		B 28 B	7/38
50	A 61 K	7/28	104	A 61 K	35/38		A 61 K	33/00			17/00		B 29 C	21/00
51	A 61 K	7/16	105	A 61 K	35/48	613-616	A 01 M	39/00		B 29 C				47/02
52	A 61 K	7/18	106	A 61 K	35/407		A 61 K	33/40	60-62	B 28 B	1/00			47/04
53	A 61 K	7/20			35/413	617	A 01 N	59/16			17/00			47/06
54	A 61 K	7/22	107	A 61 K	35/407		A 61 K	33/24		E 01 D				63/00
55	A 61 K	7/24	108,109	A 61 K	35/55	618,619	A 01 N	59/16		E 02 D	5/36	107	B 21 B	21/00
56,57	A 61 K	7/16	110	A 61 K	35/39		A 61 K	33/38	63-65	B 28 B	1/00		B 28 B	17/00
58	A 61 K	7/26	111-113	A 61 K	35/55	620,621	A 01 N	59/22			17/00		B 29 C	47/94
59	A 61 K	7/42	114-124	A 61 K	35/00		A 61 K	59/22		B 29 C	31/04		B 29 D	
60	A 61 K	7/44	125	A 01 M	59/00	622-628	A 01 N	59/22		E 01 C		108	B 28 B	23/00
61	A 61 K	7/04		A 61 K	33/44	629	A 61 K	33/36		E 02 D			B 29 C	53/36
62	A 61 K	7/135	126	A 01 N	25/00		A 01 M	59/20		E 04 G	21/06			53/56
63	A 61 K	7/021		A 61 K	47/00	630-638	A 61 K	33/34	66	B 29 C	47/34	110-126.2	A 23 G	1/22
64	A 61 K	7/025	195.1-197.1	A 01 M	65/00		A 01 N	59/16			55/00			3/12
65	A 61 K	7/32		A 61 K	35/78	639-643	A 61 K	33/32		B 29 D	31/00			3/16
66	A 61 K	7/34	400	A 61 K	9/00		A 01 M	59/18		D 01 D	5/00		A 23 P	1/00
67	A 61 K	7/36	401	A 61 K	6/00	644,645	A 61 K	33/28	67-70	B 29 D	31/00		B 21 C	3/00
68	A 61 K	7/38			7/00		A 01 M	59/16		D 01 D	5/00		B 23 B	3/10
69	A 61 K	7/035	402-404	A 01 N	25/34	646-648	A 61 K	33/26	71-72.2	B 28 B	5/00			19/00
70	A 61 K	7/06	405	A 01 N	25/00		A 61 K	33/24	73	A 01 J	21/00			23/00
71	A 61 K	7/09	406	A 01 N	25/32	649	A 61 K	33/24			25/12	127,128	A 23 G	3/12
		7/11	407	A 01 N	25/24	650-656	A 61 K	33/24		A 21 C	3/00			3/16
72	A 61 K	7/09	408	A 01 N	25/34		A 01 M	59/14			11/00		A 23 P	1/00
73	A 61 K	7/15	409,410	A 01 M	25/08	657-660	A 61 K	33/22		A 23 G	1/20		B 21 C	3/00
74	A 61 K	7/06	411-416	A 01 N	25/34		A 01 N	59/08			1/22		B 23 B	3/10
75	A 01 M	1/00	417-421	A 01 N	25/26	661-665	A 61 K	33/14			3/12			19/00
76.1	A 61 L	9/00			25/28		A 01 N	59/00			3/16			23/00
		9/01	422	A 61 F	13/00	666	A 61 K	33/18			3/18	129.1,129.2	A 23 G	1/20
76.2	A 61 L	9/015	423-428	A 61 F	2/00	667-672	A 01 N	59/22		A 23 P	1/00			1/22
		9/02	429	A 61 K	9/00		A 61 K	33/36		B 28 B	17/00			3/12
		9/14	430	A 61 F	6/06	673-676	A 01 N	59/10		B 29 C		130-134	A 21 C	3/00
76.21	A 61 L	9/00	431	A 61 F	13/02		A 61 K	33/14		B 29 D				11/00
	B 01 D	53/34	432	A 61 F	6/14	677-681	A 01 N	59/08	74	A 01 J	21/00		A 23 G	1/20
76.3,76.4	A 61 L	9/04	433-435	A 61 F	13/00		A 61 K	33/14			25/12			1/22
76.5-76.7	A 61 L	11/00	436,437	A 61 F	9/02	682	A 01 N	59/06		A 21 C	3/00			3/12
76.8,76.9	A 61 L	9/01	438	A 23 K	1/18		A 61 K	33/06			11/00			3/16
77	A 01 M	25/24	439	A 61 K	47/00	683	A 01 N	59/06		A 23 G	1/20			3/18
	D 21 H	11/00	440	A 61 K	9/68		A 61 K	33/12			1/22		A 23 P	1/00
		13/00	441	A 61 K	9/28	684,685	A 01 N	59/06			3/12		B 28 B	13/00
		15/00			9/68		A 61 K	33/06			3/16		B 29 C	31/10
		17/00	442	A 23 K	1/165	686,687	A 01 N	59/06		A 23 P	1/00			47/00
		19/00			1/17		A 61 K	33/10		B 28 B	17/00			47/02
		21/00	443	A 61 F	13/00	688-694	A 01 N	59/06		B 29 D				47/04
		23/00		A 61 K	9/70		A 61 K	33/08		B 29 D				47/06
		25/00	444	A 61 L	15/16	695-698	A 01 N	59/06	75	A 01 J	21/00			51/02
		27/00	445	A 61 L	15/00		A 61 K	33/06			25/12	135,136	B 28 B	63/00
78,79	A 61 K	31/74	446,447	A 61 L	15/16	699-701	A 01 N	59/04		A 21 C	3/00			17/00
80	A 61 K	31/79	448	A 61 F	13/02		A 61 K	33/00			11/00		B 29 B	13/00
81	A 61 K	31/78		A 61 L	15/16	702-714	A 01 N	59/02		A 23 G	1/20			15/00
82	A 61 K	31/765	449	A 61 F	13/00		A 61 K	33/04			1/22		B 29 C	35/08
		31/775		A 61 K	9/70	715-718	A 01 N	59/00			3/12			35/12
83	A 61 K	31/745	450	A 61 K	37/22		A 61 K	33/00			3/16			47/06
84	A 01 M	25/00	451-454	A 61 K	9/48	719-721	A 01 N	59/00			3/18			47/92
85.1,85.2	A 61 K	45/05	455	A 61 K	9/66		A 61 K	33/02		A 23 P	1/00			47/96
85.4-85.7	A 61 K	37/66	456	A 61 K	9/64	722-724	A 01 N	59/00		B 28 B	17/00	137-174.8	B 28 B	17/00
85.8-85.91	A 61 K	39/00	457	A 61 K	9/52		A 61 K	33/00		B 29 C			B 29 B	13/00
86	A 61 K	39/42	458	A 61 K	9/54					B 29 D				15/00
87	A 61 K	39/40	459	A 61 K	9/56				76	D 01 D	5/20		B 29 C	35/08
88	A 61 K	39/00			9/60				77	B 28 B	3/00			35/12
89	A 61 K	39/12	460	A 61 K	9/64					B 29 C	43/00			47/92
90	A 61 K	41/00	461	A 61 K	9/62					B 22 F	3/00			47/96
91	A 61 K	39/36	462	A 61 K	9/58				78	B 22 F	3/18	175-180	B 28 B	1/00
92	A 61 K	39/02	463	A 61 K	9/48				79	B 28 B	5/00	181-196	A 01 J	21/00
93	A 01 M	63/00	464,465	A 61 K	9/20				80.1	B 29 D	7/00			25/00
	A 61 K	37/00	466	A 61 K	9/46	1	B 22 F	3/08					A 21 C	3/00
94.1	A 61 K	37/48	467	A 61 K	9/44	2	B 28 B	1/00	81.1,82.1	B 28 B				11/00
94.2-94.3	A 61 K	37/62	468	A 61 K	9/22	3	B 28 B	1/00		B 29 C	33/00		A 23 G	1/20
94.4	A 61 K	37/50	469,470	A 61 K	9/26			17/00	83.1	B 28 B	5/00			1/22
94.5	A 61 K	37/52	471-473	A 61 K	9/24	4	B 28 B	1/50		B 29 D	7/00			3/00
		37/56		A 61 K	9/28	5	B 28 B	1/54	84-86	B 28 B	1/26			
		37/58	474	A 61 K	9/30	6-10	B 22 D	11/01			21/08		A 23 P	1/00
		37/60	475	A 61 K	9/42		B 22 F	9/00			21/36		B 28 B	17/00
94.6-94.63	A 61 K	37/54	476	A 61 K	9/38		B 28 B	1/54	87	B 28 B	3/00		B 29 C	47/00
94.64	A 61 K	37/547	477	A 61 K	9/40			17/00	88	B 28 B	15/00	197-209	A 01 J	17/00
		37/553	478	A 61 K	9/36		B 29 B	9/00		B 29 C			A 21 C	1/00
94.65-94.67	A 61 K	37/54	479,480	A 61 K	9/34		B 29 C	67/02	89	B 28 B	7/36			7/00
95	A 01 M	63/02	482	A 61 K	9/32	11-27	B 29 B	9/00	90-106	A 01 J	21/00		A 23 G	1/10

U.S. Class 425

PLASTIC ARTICLE OR EARTHENWARE SHAPING OR TREATING: APPARATUS

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 425—Con.														
		1/12	287,288	B 29 C	45/40									25/12
		3/14		A 21 C	3/04	338,339	B 29 D	21/00		A 21 C	3/04			3/00
		9/00			11/16		A 01 J	25/12		A 23 G	11/16		A 21 C	3/00
	A 23 P	1/00	289	A 01 J	21/02		A 21 C	3/00			1/20		A 23 G	1/00
	A 47 J	43/04			25/12			11/00			3/12			3/00
	B 28 B	17/02		A 21 C	11/10		A 23 G	1/20		B 28 B	3/18		A 23 P	1/00
	B 29 B	7/00			11/12			1/22			13/00		B 28 B	1/00
		13/00		A 23 G	1/20		A 23 P	3/00	383,384	B 29 C	21/52	436-444		21/00
	B 29 C	47/36		A 23 P	3/00		B 28 B	1/00		A 01 J	47/00		A 01 J	21/00
	A 01 J	21/00		B 28 B	7/14			21/00		A 21 C	25/12		A 21 C	25/12
		3/00			11/12		B 29 B	11/06		A 23 G	3/00		A 21 C	3/00
210-221		11/00	290,291	A 21 C	11/14	340-343	A 01 J	21/00			11/00		A 23 G	11/00
	A 21 C	3/00			11/10		A 21 C	25/12		A 23 P	1/20		A 23 G	1/20
	A 23 G	1/20		B 28 B	1/48		A 23 G	11/00		B 28 B	3/00		A 23 P	3/00
		1/22	292-316	A 01 J	21/02			1/20			11/08		B 28 B	1/00
	A 23 P	3/00		A 21 C	25/12		A 23 P	1/22		B 29 B	15/00			7/10
	B 28 B	5/00		A 23 G	11/10		B 28 B	3/00		B 29 C	35/00			13/00
		17/00			11/12			11/08			35/02			21/00
		17/04		A 23 P	1/20		B 29 B	21/70	385,386	B 29 D	21/00		B 29 C	45/40
		21/00		B 28 B	7/14		B 29 C	21/92		A 01 J	25/12	445-449	B 29 D	
	B 29 B	7/66			11/12		B 29 D	11/06		A 21 C	3/00		A 01 J	21/00
	B 29 C	37/02		B 29 C	59/00	344-362	A 01 J	21/00		A 23 G	11/02		A 21 C	25/12
222	B 22 F	3/00	317	A 01 J	19/00		A 21 C	25/12		A 23 P	1/00		A 23 G	3/00
		5/00		A 21 C	1/00		A 21 C	3/00		B 28 B	11/08		A 23 P	1/00
		7/00		A 23 G	43/20		A 23 G	11/00		B 29 C	21/00		B 28 B	11/00
	B 29 C	67/02		A 47 J	3/00			1/22			59/00			13/00
223,224	A 01 J	21/00		B 28 B	13/00		A 23 P	3/00	387,1,388	B 29 D	21/00		B 29 C	61/00
		25/12		B 29 B	53/32		B 28 B	5/00		A 01 J	25/12			71/00
		25/15		B 29 C	69/00			7/00		A 21 C	3/00		B 29 D	
	A 21 C	3/02	318	A 01 J	19/00			21/00		A 23 G	11/00	450.1	B 28 B	1/00
	A 23 G	1/02		A 23 P	1/00		B 29 B	11/06			3/02			3/00
		3/00		A 47 J	43/20		B 29 C	51/00		A 23 P	1/00	451	A 01 J	21/00
	A 23 P	1/00		B 28 B	3/00			51/18		B 28 B	11/08			25/12
	B 28 B	5/00	319-323	A 21 C	3/06	363,364	A 01 J	21/00			21/36		A 21 C	3/00
		13/00			3/08		A 21 C	25/12	389,390	B 29 C	55/28			11/00
	B 29 C	55/00		B 28 B	11/08		A 23 G	11/00		A 01 J	25/12		A 23 G	1/00
		67/02			21/48			1/20		A 21 C	3/00		A 23 P	3/00
	B 29 D	7/00		B 29 C	21/98		A 23 P	3/00		A 23 G	11/00		B 28 B	1/00
225-234	A 01 J	9/00			53/00		B 29 D	1/00		A 23 P	1/20			1/00
		21/00	324.1-328	A 01 J	53/14		A 01 J	1/00		B 28 B	3/12			5/00
	A 21 C	25/12			21/00		A 23 G	5/00			3/00			7/00
		11/00		A 21 C	3/00	365	B 29 D	1/00		A 23 P	1/00	451.2-451.7	B 28 B	21/00
	A 23 G	1/20		A 23 G	11/00		A 01 J	21/00		B 28 B	11/08			1/00
		1/22			1/20			25/12	391	B 29 D	21/00			3/00
		3/00			1/22		A 21 C	3/02		A 21 C	3/00	451.9	B 28 B	7/00
	A 23 P	1/00		A 23 P	3/00		A 23 G	11/00		B 28 B	11/08	452-454	A 01 J	21/00
	B 28 B	5/00		B 28 B	1/00			1/20			21/00			25/12
		7/00		B 29 C	53/00		A 23 P	3/00	392-399	A 01 J	21/00		A 21 C	3/00
	B 29 B	17/00	329,330	B 29 D	3/00		B 28 B	1/00		A 21 C	25/12		A 23 G	11/00
235-241	A 21 C	3/00		B 28 B	9/00		B 29 D	7/00			3/00			1/00
		11/00		B 29 D	21/52	366-374	A 01 J	9/00		B 28 B	11/00		A 23 P	3/00
	A 23 P	1/00	331	B 28 B	3/20			21/00			11/00		B 28 B	1/00
	B 28 B	11/00			21/52		A 21 C	25/12	400-405.2	A 01 J	21/00			5/00
253-261	A 01 J	13/00	332,333	B 28 B	1/00		A 21 C	3/02			25/12	456,457	A 01 J	21/00
		21/00		B 29 B	9/00		A 23 G	11/00	406-423	A 01 J	21/00			7/00
		25/12	334	A 21 C	3/06			1/20			25/12		A 21 C	25/12
	A 21 C	3/00			3/08		A 23 P	3/00		A 21 C	3/00		A 21 C	3/00
	A 23 G	11/00		B 28 B	1/40		B 28 B	3/12		A 23 G	11/00		A 23 G	11/00
		1/20			17/00			5/00			3/00			1/20
		1/22		B 29 C	21/48		B 29 C	53/20		A 23 P	3/00		A 23 P	3/00
	A 23 P	3/00			53/14	375	B 29 D	1/00		B 28 B	1/00		A 23 P	1/00
262	B 28 B	1/29	335-337	A 01 J	21/00		A 01 J	21/00			3/00		B 28 B	1/00
		17/00			25/12		A 21 C	25/12			21/00	458-460		5/00
263	B 28 B	1/02		A 21 C	3/02			3/00		B 29 B	15/00		A 01 J	21/00
		1/29			11/00		A 23 G	11/00		B 29 C	35/00			7/00
		17/00		A 23 G	1/20			1/20			35/02			21/00
264	B 28 B	1/02			3/00		A 23 P	3/12	424	A 01 J	21/00		A 21 C	25/12
		1/29		A 23 P	1/00		B 28 B	1/00			25/00			3/00
265-268	B 28 B	1/02		B 28 B	3/12			1/00		A 21 C	3/00		A 23 G	11/00
		1/29			5/00			17/00			11/00			1/20
		17/00		B 29 C	11/08		B 29 C	21/42		A 23 G	1/20		A 23 P	3/00
269-275	B 22 D	11/01			21/70		A 23 P	21/92			3/00		A 23 P	1/00
	B 28 B	7/00			21/98		B 28 B	23/00		A 23 P	1/00		B 05 C	17/12
		21/46		B 29 B	11/06	376.1-382.4	B 29 D	21/02		B 28 B	1/00	461-467	B 28 B	1/29
276-286	B 29 D	53/20		B 29 C	55/02		A 01 J	25/12	425-435	A 01 J	21/00		A 01 J	21/00
	B 28 B	1/00												25/12

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 425—Con.			512-514	A 21 C	3/10	15	C 12 G	1/00	89	A 21 D		253-261	A 21 D	
					5/00	16	C 12 C	11/04		A 23 B			A 23 L	1/22
	A 21 C	3/00		B 28 B	11/00	17	C 12 J	1/00		A 23 G		262-270	A 23 B	
		11/00			1/48	18	A 21 D	2/00		A 23 K			A 23 L	1/27
	A 23 G	1/20			7/14			8/02		A 23 L		271	A 23 C	9/14
		3/00			21/96		A 23 L	1/10	90	A 23 G	3/00		C 12 H	1/04
	A 23 P	1/00		B 29 B	11/02	19-21	C 12 C	9/00	91	A 23 G	3/00			1/14
	B 28 B	21/52		B 29 D	17/00		A 21 D	2/00	92	B 65 D	85/00	272,273	A 23 C	19/00
	B 29 C	47/08			19/04	22		8/02		A 23 B	4/00		A 23 L	
468		47/12			21/04		A 21 D	2/04		A 23 L	1/31	274	A 23 G	
	A 01 J	21/00		B 32 B	31/18			2/20			1/315	275	A 21 D	13/00
		25/12			31/18			8/02	93	A 23 G	3/00		A 23 G	
	A 21 C	3/00	515,516	A 21 C	3/00	23	A 21 D	2/24		A 23 L	1/36	276	A 23 L	1/31
		11/00			11/00			8/02	94,95	A 21 D	13/00			1/315
	A 23 G	1/20		A 23 P	1/00	24,25	A 21 D	2/14		A 23 G	3/00	277,278	A 23 L	1/31
		3/00		B 28 B				8/02	96	A 23 L	1/216	279,280	A 23 G	
	A 23 P	1/00		B 29 D	31/30	26	A 21 D	2/02	97	A 23 K		281	A 23 L	1/31
	B 28 B	7/00		B 28 B	3/10			8/02		A 23 L	1/22			1/315
469		21/86	517	B 28 B	23/00	27	A 21 D	8/00	98,99	A 23 B		282	A 23 G	
	A 01 J	21/00		B 29 D	31/04	28-31	A 23 L	1/10		A 23 L		283	A 21 D	13/00
		25/12		B 32 B	3/00			1/28	100	A 23 G			A 23 G	
	A 21 C	3/00		B 28 B	7/26		C 12 C	7/00	101	A 23 G	9/00	284	A 23 G	
		11/00	518,519	B 28 B	21/82	32		9/00	102	A 23 B	7/16	285	A 23 C	9/00
	A 23 G	3/00			9/28	33	A 23 J	3/00		A 23 L			A 23 G	1/00
		3/00		B 29 D	9/28	34-40	A 23 K	1/04	103	A 23 G	1/00	286,287	A 23 L	1/10
	A 23 P	1/00		B 30 B	3/00	41	A 23 C	9/12	104	A 23 G	1/00	288	A 23 L	1/36
	B 28 B	1/44	520,521	B 28 B	11/10	42,43	A 23 C	9/12	105	A 23 L	1/31			
		5/00			11/10			21/00			1/315	289-296	A 23 B	
		7/00		B 29 D	9/28	44	A 23 G	17/00	106	B 65 D	81/34		A 23 G	1/216
470,471	A 01 J	21/00	522-541	B 29 C	49/00	45	A 23 L	1/02		A 23 B			A 23 L	1/36
		25/12	542-595	A 23 P	1/00	46	A 23 F	1/36		B 65 D	85/00	297	A 21 D	
	A 21 C	3/00		B 29 B	11/06	47	A 23 L	5/00	107-131	A 21 D	10/02	298	A 23 B	5/00
		11/00		B 29 C	35/00	48	A 23 J	1/20		A 23 B		299	A 23 B	5/00
	A 23 G	1/20			45/02	49	A 23 K	3/00	132-135	B 65 D	85/00		A 23 J	1/08
		3/00			45/03		A 23 L	1/08		A 21 D		300,301	A 23 B	5/00
	A 23 P	1/00			45/20		C 13 K	1/06		A 22 C		302-305	A 23 B	
	B 28 B	1/00			45/22		A 23 B	7/10		A 23 B			A 23 F	5/00
		3/00			45/38		A 23 F	3/00		A 23 G		306	A 23 B	
		5/00			19/00		A 23 K	1/00		A 23 L			A 23 F	5/00
	B 29 D	21/42	801	B 29 D	31/00	50	A 23 L	1/22	138,139	A 21 D	13/00	307	A 23 G	1/00
472	A 21 C	7/00	802-804	B 29 D	21/00		A 23 B	7/10	140	A 23 B			A 23 B	
	B 28 B		805	B 29 D	7/14	51	A 23 K	1/05		A 23 L	1/31	308	A 23 F	5/00
	B 29 B	15/00	806	B 28 B	21/92		A 23 L	7/10			1/315		A 23 B	
	B 29 C				31/00		A 23 B	1/00		B 65 D	85/08		A 23 F	5/00
	B 29 D		807	B 29 D	11/00	52	A 23 K	1/28	143	A 23 L	1/16		A 23 L	1/36
500	A 21 C	3/00	808	B 29 D	31/00		A 23 L	2/02		B 65 D	85/08	309,310	A 23 B	
		11/00	811	B 28 B	17/00			7/10	144	A 23 L	1/216		A 23 F	5/00
	A 23 G	1/20	812	B 29 C	35/00	53,54	A 23 B	7/10	231	A 01 K	43/00	311	A 23 L	1/30
		1/22	813	B 29 D	5/00		A 23 K	1/00		G 01 N	33/02	312-314	A 23 B	
		3/12	814	B 28 B	17/00			3/00	232	A 01 K	43/00		A 23 C	
		3/16	815	B 29 D	31/00		A 23 L	7/10		B 65 B	55/00	315	A 23 B	4/03
		3/18	816	B 28 B	1/50		A 23 B	1/00		G 01 M	33/02			4/044
	A 23 P	1/00	817	B 29 C	29/00	55	A 23 K	3/00	233	A 01 K	43/00		A 23 C	
	B 29 D	9/00						4/12		A 23 D			A 23 L	1/31
501,502	B 32 B	31/00	818	B 29 D			A 23 L	1/31		A 23 L	1/24			1/315
	B 29 C	35/00				56-59		1/315	234	G 01 N	33/02	316	A 23 B	
		65/00				60	A 23 L	1/31		A 23 L	3/00		A 23 C	
503,504	B 28 B	21/36	U.S. Class 426			61-63	A 23 L	1/28	235	B 65 B	55/00		B 65 B	55/00
505	B 28 B	23/06	FOOD OR EDIBLE MATERIAL: PROCESSES, COMPOSITIONS AND PRODUCTS			64	A 23 C	9/12		A 23 L	1/04	317-320	A 23 B	
							A 23 L	1/28			3/04	321	A 23 C	
	B 29 C					66	A 23 C	9/12	236	A 23 L			A 21 D	4/00
	B 29 D	31/08		A 23 L			A 23 L	1/202	237	A 21 D	6/00		A 23 B	
506-509	B 32 B							1/28		A 23 B			A 23 C	3/00
	A 21 C			A 23 L		67	B 65 D	2/00		A 23 C	3/00		A 23 L	3/34
	A 23 G	11/00		A 23 G	3/30		C 12 C	5/02	238	C 12 H	1/06	322,323	C 12 H	1/10
	B 28 B	17/02		A 23 G	3/30		A 23 L	2/00		A 21 D	6/00		A 21 D	4/00
				B 65 D	85/02	68	B 65 D	85/00		A 23 B			A 23 B	
	B 28 C	13/00		A 23 G	3/30		A 23 B	4/10		A 23 C	3/00		A 23 C	3/00
	B 29 B			A 23 B	4/12	69		7/16		A 23 L	3/30		A 23 K	3/34
	B 29 D	31/14		A 23 L		71	A 23 K	1/22	239-243	A 21 D	6/00	324	A 21 D	4/00
510,511	B 32 B	3/10		A 23 L			A 23 C	17/00		A 23 B			A 23 B	
	A 21 C	5/00		C 12 G		72,73	A 61 K			A 23 C	9/14		A 23 C	3/00
		11/00		C 12 G			A 23 L	1/30		A 23 L	3/00		A 23 L	3/00
	B 28 B	1/48		A 21 D	2/00	74	A 23 K	1/175	244-248	A 21 D	6/00		A 23 K	3/34
		7/14		A 23 B	5/00		A 23 L	1/30		A 23 B		325,326	B 65 B	55/00
		11/00		C 12 C	11/00	75	A 23 G			A 23 C	9/14		A 21 D	4/00
		21/96		C 12 G	1/00	76	A 21 D	13/00		A 23 L	3/00		A 23 B	
	B 29 B	11/02		C 12 C	9/00	77-84	B 65 B	29/02					A 23 C	3/00
	B 29 D	17/00			11/04	85,86	A 23 L		249	A 23 L	1/27		A 23 K	
		19/04		C 12 H	1/00	87	A 22 C	17/10	250	A 23 L	1/27		A 23 L	3/36
		21/04		C 12 C	11/00		A 23 L			C 12 C	5/04		B 65 B	55/00
	B 32 B	31/18		C 12 G	3/08	88	A 23 L		251,252	A 23 L	1/27	327	A 21 D	4/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 426—Con.														
	A 23 B		429	A 23 L	1/28	484	A 23 P	1/00	582	A 23 C	19/00	803,804	A 23 L	
	A 23 C	3/00	430	A 23 L	1/28		A 23 L	1/36	583	A 23 C	17/00	805	A 23 K	1/18
	A 23 K			A 23 L	1/10	485-488	A 23 P	1/00			21/00	806	A 23 K	1/175
329	A 23 L	3/36			1/20	489	A 23 L	1/28	584	A 23 G	1/00	807	A 23 K	1/18
	A 23 B		431	A 23 L	1/28			2/02	585	A 23 C	9/00	808	A 21 D	13/00
	A 23 C	3/00			1/28	490	A 23 P	1/00	586	A 23 C	13/00		A 23 L	
	A 23 K		432-434	A 23 F	5/00		A 23 J	1/09	587	A 23 C	9/00	809	A 01 D	
	A 23 L	3/36		A 23 L	1/28		A 23 P	1/00	588	A 23 C	9/16	810	A 23 G	
330	A 21 D	4/00	435	A 23 F	3/34	491	C 12 G	3/08	589	A 23 L	1/238		A 23 L	
	A 23 B				3/36		A 23 C	1/00	590	A 23 L	2/00	811	A 23 L	
	A 23 C	3/00		A 23 L	1/28			9/00		C 12 C				
	A 23 K		436	A 23 J	1/00	492-494	A 23 P	1/00	591	A 23 L	2/40	U.S. Class 427		
	A 23 L	2/16		A 23 L	1/10		C 12 G	3/12	592	C 12 G		COATING PROCESSES		
		3/36	437	A 23 J	1/00	495	A 23 P	1/00	593	A 23 G	1/00	1	A 01 B	5/103
330.1	C 12 C			A 23 L	1/31		C 12 C	7/16	594-596	A 23 F	5/00	2	A 01 N	5/117
330.2	A 23 B	5/00			1/31		C 12 G	1/08	597	A 23 F	3/00	3	A 01 K	9/00
330.3,330.4	A 23 C	3/00			1/315	496-505	A 21 D	6/00	598	A 23 L	2/38	4	A 01 K	5/06
	A 23 L	2/00			1/325	506-508	A 23 B		599	A 23 L	2/00	5	A 01 N	1/00
	C 12 C				1/33		A 23 L	1/00	600	C 12 C	3/00	6	A 01 H	3/00
330.5,330.6	C 12 H		438	A 23 L		509		1/20	601-603	A 23 D	9/00	7	A 01 H	36/14
331	A 23 L	2/00	439,440	A 21 D			A 23 B	1/10	604	A 23 D	7/06	8-12	B 05 D	1/06
	A 21 D	4/00	441	A 23 L	1/10		A 23 L	1/20	605	A 23 L	1/24	13-33	B 05 D	5/00
	A 23 B		442	A 23 C				1/216	606-609	A 23 D	7/00	34	B 05 D	1/00
	A 23 C	3/00		A 23 L				1/31			9/00	35-44	B 05 D	1/08
	A 23 K		443	A 23 B	4/03			1/315	610	A 23 C		45,146	B 05 D	3/06
	A 23 L	1/36			4/044	510,511	A 23 B	1/33	611-613	A 23 D	7/00	47-52	B 05 D	3/12
332	A 21 D	4/00	444,445	A 23 B	4/03		A 23 L	1/10	614	A 23 L	1/32	53,1-56.1	B 05 D	3/06
	A 23 B				4/044			1/20	615	A 23 K	1/00	57	B 05 D	5/12
	A 23 C	3/00	446	A 21 D	13/00			1/216	616	A 23 B	7/00	58-63	B 05 D	5/06
	A 23 K			A 23 B	4/03			1/325			1/18	64-73	B 05 D	5/12
	A 23 L	3/36			4/044	512,513	A 23 P	1/00	617	A 23 L	1/212	74-132	B 05 D	5/12
333,334	A 21 D	4/00	447-450	A 23 B	4/03		A 01 J		618,619	A 23 L	1/168	133-135	B 05 D	1/16
	A 23 B				4/044	514-517	A 22 C				1/212	136,137	B 05 D	5/10
	A 23 C	3/00		A 23 L	1/18		A 01 J				1/172		E 01 C	11/24
	A 23 K		451	A 23 B	4/03		A 23 P	1/00			1/18			17/00
	A 23 L	3/36			4/044	518,519	A 01 J				1/164			5/12
335	A 21 D	4/00	452	A 23 L	1/16		A 23 P	1/00	620,621	A 23 L	1/164			5/12
	A 23 B			A 23 B	4/03		B 02 C	23/08	622	A 21 D	2/00			
	A 23 K				4/044	520	A 22 C		623	A 23 K	1/00			
383	A 23 L	3/36	453,454	A 23 B	4/03	521	A 23 L	3/16	624	A 23 K	1/08			
	A 22 C	17/10			4/044	522	C 12 C	7/18	625	A 23 L	1/18			
	A 23 L				4/044	523	A 23 C	3/00	626	A 23 L	1/20			
	A 23 P	1/00		A 23 C	9/00	524	A 23 C	3/00	627,628	A 23 L				
384,385	A 23 C	1/06		A 23 L	1/10		A 23 L	3/36	629	A 23 L	1/36			
386,387	A 23 F	3/00	455-457	A 23 B	4/03		C 12 C	9/06	630	A 23 L	1/20	138,139	B 05 D	5/10
		5/00			4/044	530	A 23 C	15/00	631	A 23 C				
388	A 23 L			A 23 L	1/10	531	A 23 L			A 23 G		140	E 01 C	5/12
389	A 21 D	13/00	458	A 21 D	13/00	532	A 23 L	3/34	632	A 23 L	1/36	141	B 02 B	35/00
390	A 23 G			A 23 B	4/03	533-538	A 23 L	2/26	633	A 23 L	1/38	142	B 01 J	31/14
	A 23 L				4/044	539	A 21 D	2/00	634	A 23 L	1/20		B 05 C	13/00
391	A 21 D	13/00		A 23 F	5/00		A 23 L	1/27	635,636	A 23 K	1/00	143	B 01 N	1/24
392	A 23 B		459-464	A 23 L	1/10			1/277	637	A 23 L	1/216	144	B 01 L	7/00
	B 65 B	55/00		A 23 B	4/03	540	A 23 L	1/27	638	A 23 L	1/223			9/00
	C 12 C	3/04			4/044		C 12 C	5/04	639,640	A 23 L				23/00
393-411	A 23 B		465-469	A 23 B	1/10	541-547	A 23 B		641	A 23 B	4/00			25/00
	B 65 B	55/00			4/03		A 23 D			A 23 L	1/31	145	B 01 M	5/124
412	A 23 B		470	A 23 B	4/044	548	A 23 L	1/236	642	A 23 B				5/20
	B 65 B	55/00			4/03	549	A 21 D	10/00	643	A 23 L	1/325			5/26
	C 12 C	3/04			4/044			13/00	644	A 23 L	1/315	146-153	B 01 M	3/12
413-415	A 23 B		471-473	A 23 C	1/00	550	A 21 D	13/04	645-647	A 23 L	1/31	154-156	B 05 D	
	B 65 B	55/00		A 23 B	4/03			13/06	648	A 23 L	1/30		B 05 B	33/00
416	A 23 L		474-476	A 23 C	4/044	551	A 21 D		649	A 23 L	1/237	157,158	B 05 B	5/00
	A 23 P	1/00		A 23 F		552-554	A 21 D	10/04	650	A 23 L	1/221		D 06 L	3/12
417	A 23 D			A 23 G		555	A 21 D	10/00	651	A 23 L	1/222	159	F 21 H	3/00
	C 11 B			A 23 L		556	A 21 D	13/08	652-654	A 23 L		160,161	B 05 B	5/00
418	A 23 L			C 12 G		557	A 23 L		655	A 23 L	1/28	162-169	B 05 D	5/06
	C 12 C	3/04				558	A 21 D	13/04		B 09 B	3/00	170	B 05 D	5/00
419	A 23 K	3/02	477	C 12 G	1/06	559,560	A 21 D	13/09	656	A 23 J	1/00		D 06 C	29/00
420,421	A 23 G		478	A 23 L		561	A 23 L	2/40	657	A 23 J	1/02	171-176	B 05 D	3/12
	A 23 L		479	A 23 P	1/00	562,563	A 21 D	2/00			1/04		B 21 F	9/00
422	C 12 C	7/14		A 23 L	1/10	564	A 23 L		658-660	A 23 G	3/00		B 29 D	
		9/00			1/28	565-567	A 23 G	9/00	661	A 23 L	1/05		D 06 C	3/00
423,424	C 12 H	1/04			1/325	568-571	A 23 J	3/00	662	A 23 J	7/00			5/00
	A 23 L				1/33	572	A 23 L	1/09	663	A 23 C	3/00	177	B 05 D	3/12
425	C 12 H	1/00			2/02	573	A 23 L	1/05	664	A 23 C	15/00		B 29 D	7/00
	A 23 L	1/28	480	A 23 P	1/00			1/06	665	A 23 L			B 65 H	
	C 12 C	3/00		A 23 L	1/31	574	A 23 L	1/31		A 23 P	1/00	178	B 05 D	3/12
426	A 23 L	1/28			1/315	575-578	A 23 L	1/05	800	A 23 C			B 21 C	47/00
427,428	A 23 F	3/34	481-483	A 23 P	1/00	579	A 23 L	1/187		A 23 L		179	B 65 H	
		3/36		A 23 L	1/10	580	A 23 C		801	A 23 L	1/10		B 05 D	3/12
					1/216	581	A 23 C	15/00	802	A 23 J			B 65 H	

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 427—Con.			398.1-398.5	B 05 D	3/00	34 9.35.1	B 65 B	53/00	164	B 32 B	3/30	228	D 04 B	1/00
180	B 05 D	1/12	399,400	B 05 D	5/00		F 16 B	4/00			3/00		B 32 B	17/02
181	B 05 D	7/22	401	B 05 D	1/00	35 2-35.5	B 29 D	22/00			15/00		D 03 D	3/00
182	B 05 D	1/24			3/00			23/00	165	B 32 B	3/00			15/00
		7/22	402-419.8	B 05 D	1/36		B 32 B	1/08			23/00			17/00
183	B 05 D	7/22			7/00		B 65 D				25/00			25/00
184	B 05 D	7/22	420	B 05 D	1/30	35.6	B 27 M	3/00	166	B 32 B	3/00	229-232	D 04 B	1/00
185	B 05 D	3/12	421,422	B 05 D	1/02		B 27 N	5/02	167-169	B 32 B	3/28		D 03 D	3/00
186-188	B 05 D	1/24	423	B 05 D	1/08	35 7-36.92	B 29 D	22/00			3/30			15/00
		1/12	424,425	B 05 D	1/02			23/00	170,171	B 32 B	5/14			17/00
		1/24	426	B 05 D	1/34		B 32 B	1/08	172,173	B 32 B	3/00			25/00
189-195	B 05 D	3/02			1/36		B 65 D		174	B 32 B	1/00	233-239	D 04 B	1/00
		3/08	427	B 05 D	1/02		F 16 L				3/00		B 32 B	5/02
		3/10	428,429	B 05 D	1/28	37	D 04 H	3/02	175,176	B 32 B	1/00			5/06
196	B 05 D	1/34	430 1-443.2	B 05 D	1/18	38	B 44 C	5/08			3/00			29/00
197-199	B 05 D	5/00	444	B 05 D	3/00		B 44 F	1/06		D 03 D	3/08		D 03 D	3/00
200	B 05 D	1/14	445	B 05 D		39	B 44 C	1/10	177	B 32 B	1/00			15/00
		1/16						1/16			3/02			17/00
		5/00				40-42	A 61 F	13/02	178	B 32 B	1/00			25/00
201-205	B 05 D	1/36	U.S. Class 428				D 06 H				3/12	240	D 04 B	1/00
206	B 05 D	1/14	STOCK MATERIAL OR MISCELLANEOUS ARTICLES				D 21 H		179-186	B 32 B	3/28		B 32 B	5/16
		1/16				43	E 04 F	15/16			3/30		D 03 D	3/00
		1/36					B 65 D	65/28	187	B 32 B	1/00			15/00
207.1-208.8	B 05 D	5/10					G 09 F	3/00			3/00			17/00
209-211	B 05 D	1/00				44	B 32 B	3/10	188	B 32 B	3/20			25/00
		5/00	1	C 09 K	19/00	45	B 32 B	3/02	189,190	B 32 B	3/00		D 04 B	1/00
212,213	B 05 D	7/00	2	B 65 D	71/00	46	B 32 B	3/10	191	B 32 B	3/00		D 04 H	1/00
213.3-213.36	B 01 J	13/02	3	A 44 C	23/00	47-51	B 32 B	3/14			23/02			3/00
		7/00			25/00			3/16	192-194	B 32 B	23/02			5/00
214-222	B 05 D	7/00		A 47 G	33/02	52	B 32 B	7/08	195-197	B 32 B	3/00			11/00
223-225	B 05 D	7/00	4.5	D 04 D	7/06	53	B 32 B	3/00			27/14	241	B 32 B	13/00
226-229	B 05 D	3/08			7/10	54	B 32 B	3/10	198	B 32 B	27/14			5/16
230-239	B 05 D	3/02	6	A 41 G	9/00	55,56	B 32 B	3/14	199	B 32 B	3/00			17/00
240-242	B 05 D	7/22			11/00			3/16		D 21 H				18/00
243-247	B 05 D	3/12	7-11	A 47 G	33/04	57-61	B 32 B	3/00	200	B 32 B	3/00		D 03 D	3/00
248.1-255.7	C 23 C	5/00		G 09 F	17/00	62	B 32 B	3/00			7/06			15/00
256,257	C 23 C	16/00			19/00	63	D 04 H	11/00	201	B 32 B	7/10			17/00
258	B 05 D	5/00	12	A 45 B	19/00	64-66	B 32 B	3/26			3/00			25/00
		1/36			27/00	67	B 32 B	3/02	202	B 32 B	7/14		D 04 B	1/00
		5/00		A 45 C	7/00		B 44 C	1/26			3/00		D 04 H	1/00
259	B 05 D	1/32		A 45 F		68-70	B 32 B	1/28	203	B 32 B	3/00			3/00
		1/36	13,14	A 47 G	1/12			3/12			7/14			11/00
		5/00		B 44 F		71-73	B 32 B	1/04	204	B 32 B	3/00	242	B 32 B	13/00
260	B 05 D	1/28	15	A 01 M	1/00	74-76	B 32 B	3/02			5/16			5/16
		1/36			3/00	77,78	B 32 B	3/14	205	B 32 B	7/14		D 03 D	3/00
261-263	B 05 D	5/00		A 41 G	5/00			3/16			9/00			15/00
		1/36		B 44 F	7/00	79-84	B 32 B	3/02			27/00			17/00
264	B 05 D	1/36	16	A 01 M	1/00	85-89	B 32 B	3/02	206,207	B 32 B	3/00		D 04 B	1/00
		3/00	17-27	A 41 G	3/00			33/00			5/16		D 04 H	1/00
		5/00		A 41 G	1/00			27/00			7/00			3/00
265-269	B 05 D	5/00	28	B 44 C	1/10			11/00	208	B 32 B	3/00			5/00
		5/00	29	B 44 F	1/10			17/00			5/16			11/00
270,271	B 05 D	5/00	30	B 44 F	1/14	90	D 05 C	1/14			13/00	243	B 32 B	5/16
		5/00			13/00		B 05 D	1/16			19/00			23/00
272	B 05 D	1/32	31	B 60 R	2/00	91	B 32 B	33/00	209	B 32 B	3/00		D 03 D	3/00
		3/00	32	D 04 D	5/07			33/00			7/00			15/00
		5/00	33	F 16 B	5/10	92-97	B 32 B	3/02	210	B 32 B	3/00			25/00
273-278	B 05 D	3/00			3/24			33/00			7/00		D 04 B	1/00
		5/00			3/26			27/00			17/00		D 04 H	1/00
279-281	B 05 D	5/00	34	E 06 B	3/28			17/00			18/00			3/00
282	B 05 D	1/32			22/00			5/00	211	B 32 B	3/00			5/00
		5/00			23/00			7/00			7/00			11/00
283-288	B 05 D	5/00	34.1	B 29 D	1/08	99-101	B 32 B	3/06	212-218	B 32 B	7/02	244	B 32 B	13/00
289-293	B 05 D	3/12				102-104	B 32 B	3/06	219-221	B 32 B				9/00
294-300	B 05 D	3/00		B 32 B	23/00	105-114	B 32 B	9/00	222	D 03 D	13/00		D 03 D	3/00
301-313	B 05 D	3/04		B 65 D	1/08	115	B 32 B	3/02	223	B 32 B	7/08			15/00
		3/10		F 16 L			D 04 D	5/00	224,225	D 03 D	3/00			17/00
314-321	B 05 D	3/02	34.2,34.3	B 27 N	22/00	116-118	B 32 B	7/08			15/00			25/00
322-330	B 05 D	3/00		B 29 D	22/00	119,120	B 32 B	3/12			17/00		D 04 B	1/00
		3/12				121-130	B 32 B	7/00			25/00		D 04 H	1/00
331	B 05 D	1/40		B 32 B	23/00	131-140	B 32 B	3/04			1/00	245,246	B 32 B	3/00
		3/00		B 65 D	22/00	141-155	B 32 B	3/10			3/00		D 03 D	3/00
332-344	B 05 D	3/04		D 21 J	23/00		D 06 M	7/04			5/00			15/00
		3/10		F 16 L	23/00	156	B 32 B	3/00			11/00			17/00
345	B 05 D	1/40	34.4-34.7	A 47 G	19/22	157	B 32 B	3/02			13/00			25/00
		3/12		B 28 B	21/00	158-160	B 32 B	3/12	226,227	D 03 D	3/00		D 04 B	1/00
346,347	B 05 D	3/12			21/72			3/26			15/00		D 04 H	1/00
348,349	B 05 D	3/04			23/08			3/28			17/00			3/00
		3/12		B 29 D	22/00	161,162	B 32 B	3/00			25/00			5/00
350,351	B 05 D	3/12			23/00	163	B 32 B	3/28						
352-354	B 05 D	3/00		B 32 B	1/08									
355-371	B 05 D	3/12		B 65 D										
372 2-376.8	B 05 D	3/02		F 16 L	9/10									
377,378	B 05 D	3/02	34.8	A 22 C	13/00									
		3/04		B 29 D	22/00									
379-397.8	B 05 D	3/02			23/00									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 428—Con.			D 04 B		1/00	D 04 H		1/00			9/00			15/00
		11/00	D 04 H		1/00			3/00		D 03 D	3/00			23/00
		13/00			3/00			5/00			15/00			25/00
247	B 32 B	7/00			11/00			17/00			17/00		D 02 G	3/00
	D 03 D	3/00			13/00	270	B 32 B	7/00		D 04 B	1/00	391	B 32 B	9/00
		9/00	263	B 32 B	7/00			9/02		D 04 H	1/00			25/20
		15/00			15/00		D 03 D	3/00			3/00	392	D 02 G	3/00
		17/00			25/00			15/00			5/00		B 32 B	9/00
		25/00		D 03 D	3/00			17/00			11/00	393	B 32 B	23/00
	D 04 B	1/00			15/00			25/00			13/00		D 02 G	3/00
	D 04 H	1/00			17/00		D 04 B	1/00	280,281	D 04 H	1/08	394	B 32 B	27/00
		3/00			25/00		D 04 H	1/00	282	D 04 H	1/16		D 02 G	3/00
		5/00		D 04 B	1/00			3/00	283	B 32 B	5/16	395	B 32 B	27/34
		11/00		D 04 H	1/00			5/00		D 04 H				27/36
248,249	B 32 B	13/00			3/00			17/00	284	B 32 B			D 02 G	3/00
		7/00			5/00	271	B 32 B	7/00		D 04 H		396-401	D 02 G	3/00
	D 03 D	23/00			11/00		D 03 D	19/08	285	B 32 B	15/00		B 32 B	5/16
		3/00			13/00			3/00			17/00			9/00
		15/00	264	B 32 B	7/00			15/00		D 04 H				15/02
		17/00			23/00			17/00	286	B 32 B	27/00			17/02
		25/00		D 03 D	3/00			25/00		D 04 H				19/00
	D 04 B	1/00			15/00		D 04 B	1/00	287	B 32 B	27/34			21/02
	D 04 H	1/00			17/00		D 04 H	1/00			27/36			23/02
		3/00			25/00			3/00		D 04 H				27/02
		5/00		D 04 B	1/00			5/00	288,289	D 04 H	1/58	402.2	B 32 B	5/16
		11/00		D 04 H	1/00			11/00	290	B 32 B	27/00			9/00
250	B 32 B	13/00			3/00	272	B 32 B	13/00		D 04 H				9/02
		7/00			5/00			7/00	291	B 32 B	9/00			9/04
	D 03 D	25/00			11/00		D 03 D	27/00			11/00			15/02
		3/00			13/00			3/00	292-295	D 04 H				17/02
		15/00	265	B 32 B	7/00			15/00	296	D 04 H	1/04			19/00
		17/00			27/00			17/00	297-302	B 32 B	5/06			21/02
		25/00		D 03 D	3/00			25/00			5/22			23/02
	D 04 B	1/00			15/00		D 04 B	1/00	303	B 32 B				27/02
	D 04 H	1/00			17/00		D 04 H	1/00	304 4,305.5	B 32 B	3/26	402.21,402.22	B 32 B	5/16
		3/00			25/00			3/00	306.6,307.3	B 32 B	3/06			9/00
		5/00		D 04 B	1/00			5/00	307.7-310.5	B 32 B	5/14			15/02
		11/00		D 04 H	1/00			11/00	311.1,311.3	B 32 B	5/24			17/02
251	B 32 B	13/00			3/00	273	B 32 B	13/00	311.5-316.6	B 32 B	3/26			19/00
		7/00			5/00			7/00	317.1-317.7	B 32 B	7/12			21/02
		15/00			11/00			17/02	317.9	B 32 B	5/22			23/02
		17/00			13/00		D 03 D	3/00	318.4	B 32 B	9/00			25/00
	D 03 D	3/00	266	B 32 B	7/00			15/00	318.6	B 32 B	3/26			27/00
		15/00			25/00			17/00	318.8	B 32 B	5/20			27/02
		17/00		D 03 D	3/00			25/00	319.1	B 32 B	3/26	402.24	B 32 B	5/16
		25/00			15/00		D 04 B	1/00	319.3-319.9	B 32 B	27/00			9/00
	D 04 B	1/00			17/00		D 04 H	1/00	320.2,321.1	B 32 B	3/26			9/02
	D 04 H	1/00			25/00			3/00	321.3	B 41 M	5/025			9/04
		3/00		D 04 B	1/00			5/00	321.5-322.7	B 32 B	3/26			15/02
		5/00		D 04 H	1/00			11/00	323,324	B 32 B	5/16			17/02
		11/00			5/00	274	B 32 B	13/00	325	B 32 B	18/00			19/00
252	B 32 B	13/00			11/00			7/00	326-331	B 32 B	5/16			21/02
		7/00			13/00		D 03 D	3/00	332-342	B 32 B				23/02
	D 03 D	27/00	267	B 32 B	7/00			15/00	343-356	B 32 B	7/12			27/02
		3/00			27/34		D 04 H	1/00			15/04	403-407	B 32 B	5/16
		15/00		D 03 D	3/00			3/00	357	B 32 B	19/00			9/00
		17/00			15/00			5/00	358-362	D 02 G	3/00			15/02
		25/00			17/00			11/00	363	B 32 B	5/16			17/02
	D 04 B	1/00			25/00			13/00	364	D 02 G	3/00			19/00
	D 04 H	1/00		D 04 B	1/00	275-277	B 32 B	7/00	365	D 02 G	3/00			21/02
		3/00		D 04 H	1/00			9/00		D 04 H				23/02
		5/00			3/00		D 03 D	3/00	366-368	B 32 B	9/00			27/02
		11/00			5/00			15/00		D 02 G	3/00	408	B 32 B	9/00
253,254	B 32 B	13/00			11/00			17/00	369-378	D 02 G	3/00	409	B 32 B	
	D 04 B	7/00	268	B 32 B	13/00		D 04 B	25/00	379-381	B 32 B	15/00	410	B 32 B	17/00
255	B 32 B	1/00			7/00		D 04 H	1/00	382	B 32 B	25/00	411.1	B 32 B	9/04
	D 03 D	7/00		D 03 D	17/02			1/00		D 02 G	3/00	412	B 32 B	27/36
	D 04 B	9/00			3/00			3/00	383	B 32 B	27/00	413,414	B 32 B	27/38
		1/00			15/00			5/00		D 02 G	3/00	415	B 32 B	17/10
256	B 32 B	7/00			17/00			11/00	384	B 32 B	9/00			27/38
		15/00			25/00			13/00			17/00	416	B 32 B	15/08
	D 03 D	9/00		D 04 B	1/00	278	B 32 B	7/00	385,386	B 32 B	15/00	417	B 32 B	27/38
	D 04 B	1/00		D 04 H	1/00			27/42		D 02 G	3/00			17/10
257,258	B 32 B	7/00			3/00		D 03 D	3/00	387	B 32 B	9/00	418	B 32 B	27/38
	D 03 D	13/00			5/00			15/00			15/00			27/38
	D 04 B	1/00			11/00			17/00		D 02 G	3/00	419	B 32 B	27/04
259	B 32 B	7/00			13/00			25/00	388	B 32 B	9/00	420	B 32 B	7/04
	D 03 D	15/00	269	B 32 B	5/06		D 04 B	1/00			15/00			31/06
	D 04 B	1/00			7/00		D 04 H	1/00			17/00			27/00
260-262	B 32 B	7/00		D 03 D	3/00			3/00		D 02 G	3/00	421,422	B 32 B	27/00
	D 03 D	3/00			15/00			5/00	389	B 32 B	9/00	422.8-425.9	B 32 B	27/00
		15/00			17/00			11/00			15/00			27/40
		17/00			25/00			13/00		D 02 G	3/00	426	B 32 B	17/06
		25/00		D 04 B	1/00	279	B 32 B	7/00	390	B 32 B	9/00	427-429	B 32 B	9/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 428—Con.												U.S. Class 429		
												CHEMISTRY, ELECTRICAL CURRENT		
												PRODUCING APPARATUS, PRODUCT,		
												AND PROCESS		
430,431	B 32 B	9/00	477.7	B 32 B	27/34		B 32 B	39/00				1	H 01 M	2/00
		17/10			27/42		H 01 B					2	H 01 M	8/16
432-434	B 32 B	15/00	478.2	B 32 B	27/08		H 01 F	1/16				3-8	H 01 M	14/00
		17/06			27/34			3/00				9	H 01 M	12/00
435	B 32 B	17/10	478.4	B 32 B	9/02			3/02	613	B 32 B	3/24	10	H 01 M	2/00
		27/34			9/04			3/04	614	B 21 D	1/08	11	H 01 M	6/36
436,437	B 32 B	17/10			9/02	545-547	B 22 F	3/06		B 32 B	5/18	12,13	H 01 M	8/00
		27/42	478.8	B 32 B	23/04			3/26	615	B 32 B	39/00	14,15	H 01 M	8/04
438	B 32 B	17/08			9/06			5/00		B 32 B	15/00	16	H 01 M	8/14
		23/04			29/00			7/00		C 25 D	5/10	17	H 01 M	8/04
439	B 32 B	23/22	479.3	B 32 B	23/08			28/00		H 01 L	29/12	18	H 01 M	8/24
		17/08			27/34	548,549	B 22 F	29/00		B 21 D	39/00	19-21	H 01 M	8/18
440	B 32 B	23/20	479.6	B 32 B	21/08			7/00		B 32 B	15/06	22-26	H 01 M	8/04
		11/04			27/10			7/02		B 32 B	15/04			
441,442	B 32 B	17/06	480	B 32 B	27/06	550	B 23 K	35/36		C 25 D	11/02			
443	B 32 B	17/10			27/36		B 22 F	3/10		C 25 D	27/02			
444	B 32 B	19/04	481	B 32 B	27/10	551,552	B 22 F	5/18		C 03 C	27/04			
445	B 32 B	15/04	482,483	B 32 B	27/06			3/00			27/08			
		19/04			27/36			7/00			29/00			
		23/04	484,485	B 32 B	9/04	553-556	B 22 F	7/04	635	B 32 B		27-29	H 01 M	4/00
446	B 32 B	9/04	486,487	B 32 B	9/06			7/08	636	B 32 B	15/00	30-33	H 01 M	8/10
		13/04	488,1,488.4	B 41 M	5/10			15/02		C 25 D	5/10	34	H 01 M	2/00
447,448	B 32 B	9/04	489	B 32 B	11/00			3/02		B 32 B	15/18	35-37	H 01 M	2/08
449	B 32 B	9/06		D 06 N	5/00	557-565	B 22 F	7/04	637,638	B 32 B	15/00	38,39	H 01 M	2/14
		11/06	490,491	B 32 B	11/06			7/08	639-641	B 32 B	15/01	40-45	H 01 M	4/86
450	B 32 B	9/06		D 06 M	5/00			15/02	642	B 32 B	15/00			4/90
		15/04	492,493	B 32 B	25/04	566	B 32 B	3/02	643-645	B 32 B	15/00			4/96
451	B 32 B	13/12			25/12		H 01 F	3/04		C 25 D	15/01	46	H 01 M	8/08
452	B 32 B	9/06	494,495	B 32 B	25/08			3/06	646-648	B 32 B	15/00			8/14
		15/04			25/12	567-569	B 22 F	3/26	649	B 32 B	15/00	47	H 01 M	2/00
453	B 32 B	9/04	496	B 32 B	25/06			5/00		C 25 D	5/42	48	H 01 M	6/00
454	B 32 B	9/04			25/12			7/00	650-654	B 32 B	15/10			8/00
		13/04	497	B 32 B	9/04	570-572	B 22 F			C 25 D				10/00
		19/04	498,499	B 32 B	9/06	573-575	B 21 C	37/00	655-659	B 32 B	15/00	49	H 01 M	6/50
455	B 32 B	9/04	500	B 32 B	27/00		B 21 F			C 25 D	5/10			10/42
456	B 32 B	9/04	501-506	D 32 B	27/08		B 21 H	8/00	660-662	B 32 B	15/00	50	H 01 M	10/44
	D 06 N	1/00			27/42		B 32 B	3/00		C 25 D	5/10	51	H 01 M	2/38
457	B 32 B	15/04	507-510	B 32 B	23/08	576	B 22 F			B 32 B	15/00	52	H 01 M	10/44
458	B 32 B	15/08			27/06	577-585	B 21 C	1/00	663-667	B 32 B	15/00	53-56	H 01 M	2/12
459	B 32 B	9/02	511-514	B 32 B	23/08			27/00		C 25 D	5/10	57-60	H 01 M	10/34
		15/08			27/10		B 21 F		668	B 32 B	15/00			10/52
		27/34	515-520	B 32 B	27/08		B 21 H	3/00		C 25 D	5/10	61	H 01 M	2/00
		27/36	521	B 32 B	27/32	586,587	B 21 F			B 32 B	15/01	62	H 01 M	10/50
460	B 32 B	15/08	522	B 32 B	27/30	588,589	B 21 H	3/00	669	B 32 B	15/01	63-65	H 01 M	2/00
		27/42	523	B 32 B	27/32	590	B 23 P			C 25 D	5/24	66	H 01 M	4/00
461-463	B 32 B	15/08	524	B 32 B	27/42	591	B 21 C			B 32 B	15/01	67-69	H 01 M	2/38
		27/00	525	B 32 B	27/08		B 21 F		670	B 32 B	15/20	70	H 01 M	2/40
464	B 32 B	15/10			27/42	592	B 21 C	37/00	671	B 32 B	15/01	71	H 01 M	2/12
		15/12	526,527	B 32 B	23/08		B 21 F		672,673	B 32 B	15/20	72-79	H 01 M	2/36
465,466	B 32 B	15/06			27/42	593	B 21 D	39/00	674-677	B 32 B	15/00	80,81	H 01 M	2/38
467	B 32 B	9/00	528,529	B 32 B	21/08		B 32 B	3/12	678,679	B 32 B	15/18	82-89	H 01 M	2/12
		15/04			27/42	594	B 32 B	15/00		B 32 B	15/01	90-93	H 01 M	10/48
468	B 32 B	11/00	530,531	B 32 B	27/08	595	B 21 C	37/00	680		15/00	94	H 01 M	4/00
		15/04			27/42		B 21 F		681-685	B 32 B	15/00			6/10
469-472.3	B 32 B	9/00	532	B 32 B	23/04	596	B 21 B			C 25 D	5/10	95	H 01 M	2/36
		15/04			29/00		B 21 C	27/00	686	B 23 P		96-100	H 01 M	2/10
473	B 32 B	9/02	533	B 32 B	23/04		B 21 D	28/00		B 32 B		101	H 01 M	4/36
		9/04	534	B 32 B	21/06		B 32 B	3/10		C 23 C				6/24
473.5	B 32 B	27/00			23/04	597-599	B 21 B		687	B 23 P	9/00	102-109	H 01 M	4/36
		27/06	535	B 32 B	21/06		B 21 C	27/00		C 23 F	3/00			4/48
474.4	B 32 B	27/08			21/14		B 21 D	28/00	688-693	B 32 B	9/00			6/20
		27/34			29/00		B 21 F	27/00			19/00	110,111	H 01 M	6/30
474.7,474.9	B 32 B	27/06	536	B 32 B	23/04	600-602	B 22 F	5/00	694	G 11 B	5/66	112	H 01 M	6/36
		27/34			23/06		B 32 B	3/00			5/70	113-117	H 01 M	6/36
475.2	B 32 B	27/28	537.1	B 32 B	21/04			3/30	695	G 11 B	5/72			6/38
		27/36	537.5,537.7	B 32 B	29/00	603	B 21 D	13/00	696-702	B 32 B	9/00	118	H 01 M	6/32
475.5	B 32 B	27/08	539.5	B 21 F			B 22 F	5/00			19/00	119	H 01 M	6/34
		27/34		B 22 F			B 32 B		703	B 32 B	13/00	120	H 01 M	10/50
475.8	B 32 B	27/08		B 32 B		604	B 21 D	13/00	704	B 32 B	9/04	121	H 01 M	2/26
		27/30	540	C 14 C	9/00		B 22 F	5/00	914	B 41 M	3/12			2/28
		27/34	541	B 27 K			B 32 B	3/28	920,921	B 27 N	9/00	122	H 01 M	6/00
476.1	B 32 B	27/08	542.2-542.6	A 47 G	35/00			3/30	923-926	B 32 B	3/00			10/00
		27/32	542.8	B 29 B	7/00	605	B 23 P	17/06			5/00	123	H 01 M	10/38
		27/34	543	B 32 B	9/04	606,607	B 21 C	37/00	927	B 32 B	3/00	124	H 01 M	6/40
476.3	B 32 B	27/08	544	B 21 C			C 25 D	7/04			33/00	125	H 01 M	6/28
		27/30		B 21 F		608,609	B 21 C	37/00	928	H 01 F	1/00	126	H 01 M	6/04
		27/34		B 22 D	3/00		B 32 B	7/00	929	H 01 H	1/02			10/12
476.6	B 32 B	9/02			5/00	610	B 22 D	25/00	930	H 01 L	39/00	127	H 01 M	6/00
		9/04			7/00			27/00	931	H 01 B	5/10			8/00
		27/30			9/00		B 32 B	5/14	932	B 24 B				10/00
476.9	B 32 B	27/08			11/00			7/10	933	C 23 F	13/00	128	H 01 M	4/00
		27/32			21/00	611	H 01 F	1/00	934-938	C 25 D		129	H 01 M	2/14
		27/34			23/00	612	B 21 B			C 23 C	8/00	130	H 01 M	2/18
477.4	B 32 B	27/08			25/00		B 21 C		941		10/00	131,132	H 01 M	2/14

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 429—Con.			239	H 01 M	4/70			1/735	531-537	G 03 C	1/76	153-155	F 23 D	11/36
			240-244	H 01 M	4/74		G 03 F	7/025	538	G 03 C	1/775	156	F 23 D	
133	H 01 M	2/18	245	H 01 M	4/66			7/027	539	G 03 C	1/76	157	F 23 L	17/00
134	H 01 M	2/16			4/68			7/038	540	G 03 C	1/64	158	F 23 R	
135	H 01 M	2/16	246-255	H 01 M	2/16	289	G 03 C	1/66	541	G 03 C	7/32	159	F 23 D	11/00
						290-298	G 03 C	5/00	542-563	G 03 C	1/08	160	F 23 D	11/36
136	H 01 M	2/18				299	G 03 C	5/18			7/26	161-167	F 23 D	11/44
137	H 01 M	2/16						7/32			1/005	168	F 23 D	11/04
			U.S. Class 430			300,301	G 03 F	7/00	564-595	G 03 C	1/005	169	F 23 D	11/08
138-141	H 01 M	2/18	RADIATION IMAGERY CHEMISTRY -			302-307	G 03 F	7/00			1/494	170	F 23 D	21/00
142-147	H 01 M	2/16	PROCESS, COMPOSITION OR PRODUCT					7/26	596-598	G 03 C	1/00	171,172	F 23 M	9/06
						308	G 03 F	7/12	599-605	G 03 C	1/06	173	F 23 C	5/32
148	H 01 M	2/00	1	G 03 H	1/04	309,310	G 03 F	7/00	606	G 03 C	1/36	174	F 23 C	5/00
149-151	H 01 M	6/42	2	G 03 C		311-331	G 03 C	5/00	607-615	G 03 C	1/06	175,176	F 23 C	5/28
152-155	H 01 M	6/46	3	G 03 C	3/00	332-345	G 03 C	1/725	616-620	G 03 C	1/00	177-181	F 23 C	5/08
156,157	H 01 M	6/42	4-7	G 03 F	9/00			1/73	621-626	G 03 C	1/30	182-185	F 23 M	9/00
158	H 01 M	2/24	8	G 03 C	5/00			1/735	627-644	G 03 C	1/005	186	F 23 C	5/06
			9-18	G 03 C	3/00	346,347	G 03 C	5/00			1/494	187	F 23 C	7/00
159	H 01 M	6/42	19	G 03 C	11/00			5/44				188	F 23 M	9/00
160	H 01 M	2/24	20	C 09 K	19/00	348-355	G 03 C	5/16	U.S. Class 431			189	F 23 C	5/06
								5/00	COMBUSTION			190	F 23 L	9/00
161	H 01 M	2/26	21	G 03 C	11/00	356	G 03 C	5/00				191-194	F 24 C	3/10
			22	G 03 F	9/00	357-366	G 03 C	7/00				195-201	F 23 D	5/00
162	H 01 M	6/12	23-30	G 03 C	5/00	367	G 03 C	5/22				202	F 23 D	
			31	G 03 G	13/00	368	G 03 C	1/64	1	F 23 C	11/04	203-206	F 23 D	11/00
163	H 01 M	2/00	32-38	G 03 G	17/04	369	G 03 C	7/04	2	F 23 B		207-248	F 23 D	11/44
164	H 01 M	2/02	39	G 03 G	19/00	370	G 03 C	11/18	3	F 23 J		249-253	F 23 D	
			40,41	G 03 G	13/00	371,372	G 03 C	11/00	4	F 23 J	7/00	254	F 23 Q	1/04
165-171	H 01 M	2/02	42-47	G 03 G	13/01	373	G 03 C	7/00	5	F 23 D	14/00			7/12
172-175	H 01 M	2/08	48	G 03 G	13/04			7/26		F 23 G	7/08	255-257	F 23 Q	7/12
176	H 01 M	2/04	49	G 03 G	13/28	374-389	G 03 C	7/46		F 23 J	15/00	258	F 23 Q	7/06
177-179	H 01 M	2/02	50	G 03 G	16/00	390-392	G 03 C	7/32	6	F 23 N	5/20	259,260	F 23 Q	7/08
180	H 01 M	2/08	51	G 03 G	13/00	393	G 03 C	7/00			5/22	261	F 23 Q	3/00
181	H 01 M	2/02	52	G 03 G	17/02	394	G 03 C	5/00	7	F 23 B		262	F 23 Q	7/08
182-185	H 01 M	2/08	53	G 03 G	17/00	395	G 03 C	5/10		F 23 D	3/40	263	F 23 Q	7/06
186,187	H 01 M	2/10	54	G 03 G	13/00			5/20	8	F 23 C	5/00	264-266	F 23 Q	3/00
188,189	H 01 M	6/04	55	G 03 G	13/24	396,397	G 03 C	5/04		F 23 M	3/02	267	F 23 Q	1/00
190	H 01 M	6/14	56	G 03 G	15/00	398	G 03 C	3/00	9	F 23 M	3/00	268	F 23 Q	11/00
191	H 01 M	6/18	57-59	G 03 G	15/02	399	G 03 C	5/18	10	F 23 M	3/04	269	A 24 F	27/14
192	H 01 M	6/16	60-69	G 03 G	15/04			5/26	11	F 23 D	11/44	270	F 23 F	1/02
			70-82	G 03 G	5/00	400	G 03 C	5/38		F 23 L	15/00	271,272	A 24 F	27/14
193	H 01 M	6/18			15/06	401-406	G 03 C	5/18	12	F 23 N		273-277	F 23 Q	1/02
194-197	H 01 M	6/14	83	G 03 G	15/09			5/26	13	F 23 D	5/12	278,279	F 23 Q	9/00
198	H 01 M	6/16	84-95	G 03 G	15/08	407	G 03 C	5/50	14	F 23 N	5/26	280,281	F 23 Q	9/08
199-205	H 01 M	6/04	96	G 03 G	5/00	408-418	G 03 C	5/18	15,16	F 23 N	5/24	282-285	F 23 Q	9/00
206,207	H 01 M	6/04	97	G 03 G	13/06			5/26	17	F 23 D		286	F 23 D	14/58
			98,99	G 03 G	13/20	419,420	G 03 C	5/38	18,19	F 23 N		287	F 23 D	
208	H 01 M	10/16	100-103	G 03 G	13/06	421-429	G 03 C	5/18	20	F 23 N	3/00	288-297	F 23 D	3/16
209	H 01 M	4/02	104	G 03 G	9/00			5/26	21	F 23 N	5/02	298-300	F 23 D	3/02
210	H 01 M	6/48			11/00	430,431	G 03 C	5/44	22,23	F 23 N	5/24	301	F 23 D	3/34
			105,106	G 03 G	9/00	432	G 03 C	1/725	24-26	F 23 N		302,303	F 23 D	3/02
211	H 01 M	4/02	106.6	G 03 G	9/083			1/73		F 23 Q	23/00	304	F 23 D	3/28
212-216	H 01 M	4/60			9/107			1/735	27-31	F 23 N	5/00	305	F 23 D	3/32
217	H 01 M	4/62	107	G 03 G	9/10			5/18	32	F 23 N	5/24	306	F 23 D	3/28
218	H 01 M	4/58	108-116	G 03 G	9/00			5/26	33	F 23 N	5/00	307,308	F 23 D	3/32
219	H 01 M	4/34	117-123	G 03 G	9/08	433-450	G 03 C	5/18	34	F 23 D	3/26	309-314	F 23 D	3/04
			124	G 03 G	13/20			5/26	35	F 23 M	5/00	315-318	F 23 D	3/28
220	H 01 M	10/32	125	G 03 G	21/00	451-453	G 03 C	5/315	36-41	F 23 M	1/00	319	F 23 D	3/02
			126	G 03 G	13/14			5/38	42-61	F 23 Q	9/08	320	F 23 D	3/24
			127-137	G 03 G	5/00	454	G 03 C	5/40	62,63	F 23 N	5/00	321-325	F 23 D	3/18
			138	G 03 C	1/72	455-460	G 03 C	5/38	64	F 23 D	5/14	326	F 23 D	3/40
221	H 01 M	4/36	139	G 03 C	5/16	461,462	G 03 C	5/42	65	F 23 D	5/16	327	F 23 Q	13/04
			140	G 03 C	5/14			5/44	66,67	F 23 N	5/00	328	F 23 D	14/12
			141-143	G 03 C	5/18	463	G 03 C	11/00	68	F 23 N	5/24	329	F 23 D	14/14
222	H 01 M	4/36	144	G 03 C	5/18	464-493	G 03 C	5/18	69-78	F 23 N	5/00	330	F 23 D	5/06
					5/26			5/26	79	F 23 N	5/08			7/00
			145-148	G 03 C	5/18	494	G 03 C	5/04	80	F 23 N	5/10	331-342	F 23 D	5/02
223	H 01 M	4/32	149-153	G 03 C	5/18	495,496	G 03 C	1/00	81-87	F 23 N	5/00	343	F 23 D	11/36
					5/26			3/00	88	F 23 N	5/24			14/46
			154-197	G 03 C	1/52	497-499	G 03 C	1/42	89,90	F 23 N		344	F 23 D	14/28
224	H 01 M	4/50	198	G 03 C	11/00			1/494	91	F 41 H	9/02	345	F 23 D	14/46
225	H 01 M	4/56	199-226	G 03 C	8/00	500,501	G 03 C	3/02	99	F 21 P	5/00	346	F 23 D	14/82
226	H 01 M	4/36	227-234	G 03 C	3/00	502-507	G 03 C	1/46	100	F 21 H		347,348	F 23 D	14/12
227	H 01 M	4/58	235-251	G 03 C	5/00	508,509	G 03 C	1/08	101-113	F 21 H	1/00	349	F 23 D	14/58
228	H 01 M	4/56	252-255	G 03 C	3/00	510-512	G 03 C	1/815	114	F 23 D		350	F 23 D	14/46
			256-258	G 03 C	11/12			1/825	115,116	F 23 L		351-353	F 23 D	
229	H 01 M	4/42	259-263	G 03 C	1/805	513-516	G 03 C	1/492	117-119	F 23 D	5/12	354,355	F 23 D	14/62
			264-267	G 03 C	1/06			1/494	120	F 23 D	3/28	356	F 23 D	
230	H 01 M	4/42	268	G 03 C	5/18			1/815	121-123	F 23 D	11/38	357-365	F 21 K	5/00
231	H 01 M	4/48			5/26	517-522	G 03 C	1/06			14/50			5/08
232	H 01 M	4/62	269	G 03 C	5/00			1/815	124	F 23 Q	2/38			
233	H 01 M	4/64	270-279	G 03 C	1/492			1/825	125-127	F 23 Q	2/32			
					1/494	523	G 03 C	1/76	128	F 23 Q	7/00			
234	H 01 M	4/72			1/76	524-526	G 03 C	1/77	129-141	F 23 Q	2/08			
235-237	H 01 M	4/80	280-288	G 03 C	1/725			1/85	142,143	F 23 Q	2/00			
238	H 01 M	4/76			1/73	527-530	G 03 C		144-152	F 23 Q	25/00			

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC			
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	
U.S. Class 432																		
HEATING																		
1	F 24 J		103	F 27 H	7/00			9/00			1/18	24		F 41 A	33/00			
2	F 24 D		104	F 23 B		234	F 27 D	3/02	110,111	A 61 C	1/06			G 09 B	9/00			
	F 28 G			F 23 C		235,236	F 27 D	3/00			1/08						19/00	
3	F 27 D	1/16		F 27 B	7/00	237,238	F 27 D	1/12	112	A 61 C	1/18	25		G 09 B	9/00			
4	F 27 D	7/00	105	F 27 B	7/36	239,240	F 27 D	3/00	113	A 61 C	1/04						19/00	
			106	F 27 B	7/02	241	F 27 D	3/12	114	A 61 C	1/10	26		G 09 B	9/00			
			107	F 27 B	7/08	242	F 27 D	1/18			3/00	27		F 41 G	3/26			
					7/10	243-245	F 27 D	3/00	115	A 61 C	1/05	28		G 01 S				
			108	F 27 B	7/00	247	F 27 D	1/00	116	A 61 C	1/16			G 09 B	9/00			
			109	F 27 B	7/36	248	F 27 B	14/08	117	A 61 C	1/08	29		G 09 B	9/02			
			110	F 27 B	7/14	249	F 27 D	1/18	118-124	A 61 C	1/07						19/16	
			111,112	F 27 B	7/00	250	F 27 D	1/00			3/03	30-59		G 09 B	9/08			
			113	F 27 B	7/06	251	F 27 D	1/14	125	A 61 C	3/06	60		G 09 B	19/16			
					7/36	252	F 27 D	5/00	126	A 61 C	1/08						19/16	
			114	F 27 B	7/10	253	F 27 D	9/00	127-129	A 61 C	1/14	61-71		G 09 B	9/04			
			115	F 27 B	7/24	254 1	C 21 D	9/00	130	A 61 C	1/12						19/04	
			116	F 27 B	7/38	254 2	F 27 D	11/10	131	A 61 C	1/00	72-80		G 09 B	25/00			
			117	F 27 B	7/32		F 27 D	5/00	132	A 61 C	1/05	81-83		G 09 B	11/00			
			118	F 27 B	7/14	258,259	F 27 D	9/00	133	A 61 C	1/12	84		G 09 B	11/10			
			119	F 27 B	7/28	260,261	C 21 D	14/10	134,135	A 61 C	3/06	85-87		G 09 B	11/00			
			120	F 27 B		262-265	F 27 B		136,137	A 61 C	5/14			G 09 B	11/04			
			121	F 27 B	9/00	266	F 24 J	1/02	138,139	A 61 C	5/12						11/06	
			122-124	F 27 D	3/00	500	A 24 B		140	A 61 C	5/00	89-92		G 09 B	11/00			
			125-127	F 27 D	9/14	U.S. Class 433						141	A 61 C	3/00	93	G 09 B	25/08	
			128-132	F 27 B	9/02	DENTISTRY						142	A 61 C	3/06	94	G 09 B	19/10	
			133	F 27 B	9/00	1	A 61 D	5/00	143	A 61 C	17/00	95		G 09 B	19/20			
			134	F 27 B	9/14	2-24	A 61 C	3/00	144,145	A 61 C	3/02	96-106		G 09 B	19/00			
			135	F 27 B	9/22	25	A 61 C		146,147	A 61 C	3/00	107-110		G 09 B	19/18			
			136	F 27 B	9/00	26	A 61 C	19/10	148,149	A 61 C	7/00	111		G 01 C	21/02			
			137	F 27 B	9/26	27	A 61 C	3/00	150,151	A 61 C	3/08						21/24	
			138	F 27 B	9/16	28	A 61 C	1/02	152-154	A 61 C	3/00	112-114		G 09 B	21/00			
			139	F 27 B	9/16	29	A 61 C	1/00	155	A 61 C	5/04	115		G 09 B	21/02			
			140	F 27 B	3/12	30	A 61 B	1/24	156-158	A 61 C	3/00	116		G 06 K	9/00			
			141	F 27 B	9/16	31	A 61 C	1/00	159,160	A 61 C	3/14	117		G 09 B	21/00			
			142	F 27 B	9/16	32	A 61 C	3/00			3/16	118		G 09 B	19/00			
			143-150	F 27 B	9/00	33	A 61 G	15/00	161-163	A 61 C	3/00	126		G 09 B	9/00			
			151	F 27 B	14/00	34	A 61 C	9/00	164	A 61 C	3/08						19/00	
			152	F 27 B	9/04	35-38	A 61 C	5/04	165	A 61 C	3/02						25/00	
			153	F 27 B	9/08	39	A 61 C	9/00	166	A 61 C	3/06	127		G 09 B	19/00			
			154	F 27 D	3/08	40-48	A 61 C	1/14	167	A 61 C	13/00	128,129		G 09 B	19/22			
			155	F 27 B	9/00	49	A 61 C	3/04	168.1	A 61 C	13/02	130		G 09 B	25/06			
			156	F 27 B	14/00	50	A 61 C	3/00	169,170	A 61 C	13/28	131-135		G 09 B	27/08			
			157	F 27 B	14/02	51	A 61 C	3/06	171	A 61 C	13/00	136		G 09 B	27/02			
			158	F 27 B	14/14	52	A 61 C	19/00			13/08						27/08	
			159	F 27 B	3/00	53	A 61 C	9/00	172	A 61 C	13/12	137-141		G 09 B	27/08			
			160	F 27 B	3/06	54-58	A 61 C	1/14	173-176	A 61 C	8/00	142		G 04 B	19/22			
			161,162	F 27 B	3/18	59	A 61 C	3/04	177-183	A 61 C	13/12	143		G 09 B	27/02			
			163-170	F 27 B	3/04	60-67	A 61 C	11/00	184-188	A 61 C	13/24	144-148		G 09 B	27/08			
			171,172	F 27 B	19/00	68,69	A 61 C	19/04	189	A 61 C	13/235	149		G 04 B	19/22			
			173	F 27 B	3/24	70,71	A 61 C	9/00	190	A 61 C	13/26			G 09 B	19/14			
			174	F 27 B	3/00	72,73	A 61 C	19/04	191-196	A 61 C	13/10						25/06	
			175	F 27 B	3/20	74	A 61 C	19/00	197,198	A 61 C	13/08						29/00	
			176	F 27 B	3/22	75	A 61 C	3/00	199,1,200.1	A 61 C	13/00	150		G 09 B	29/00			
			177-182	F 27 D	17/00	76	A 61 C	3/02	201 1	A 61 C	8/00	151		G 09 B	25/06			
			183	C 21 D	9/00	77-79	A 61 G	15/00	202.1-212.1	A 61 C	13/08						25/08	
			184-188	F 27 B	17/00	80	A 61 G	17/02	213	A 61 C	11/00						29/00	
			189-194	F 27 B	7/00	81	A 61 G	5/02	214	A 61 C	9/00	152		G 09 B	29/12			
			195	F 27 B	3/00	82	A 61 C	1/10	215	A 61 C	5/00	153		G 09 B	29/10			
			196	F 27 B	3/22				216	A 61 C	15/00	154-156		G 09 B	19/00			
			197	F 27 B	15/00				217.1	A 61 C	5/00	157		G 09 B	19/06			
			198	F 27 B	5/04				218-222.1	A 61 C	5/08						19/08	
			199	F 27 D	7/04				223	A 61 C	5/10	158		G 09 B	11/08			
			200,201	F 27 B	5/16				224	A 61 C	5/02	159-161		G 09 B	1/00			
			202	F 27 B	5/14				225-227	A 61 C	5/04	162		G 09 B	11/00			
			203	F 27 B	7/04				228.1	A 61 C	5/00	163-165		G 09 B	11/04			
			204	F 26 B	5/12				229	A 61 C							11/06	
			205	F 27 B	5/04							166		B 43 L	15/00			
			206	F 27 B	11/00							167		G 09 B	11/02			
			207,208	F 27 B	5/02	83	A 61 C	3/08	U.S. Class 434									19/00
			209	F 27 B	5/14	84,85	A 61 C	1/10	EDUCATION AND DEMONSTRATION									1/08
			210	F 26 B	3/00							168		G 09 B	1/38			
			211	F 27 B	3/06							169		G 09 B	5/00			
			212,213	F 27 B	5/14	86	A 61 C	1/07	1.2	G 09 B	9/00	170		G 09 B	1/00			
			214	C 21 B	9/00	87	A 61 C	1/12	3-10	G 01 S		171		G 09 B	1/36			
			215	F 27 B	15/00							172		G 09 B	1/16			
			216-218	F 28 C	3/10	88	A 61 C	3/02	11-13	F 41 A	33/00						1/34	
			219	F 24 H	1/00	89,90	A 61 C	5/04	14,15	G 09 B	19/00						1/40	
			220-223	F 24 H	1/00	91-97	A 61 C	17/06	16	F 41 A	33/00	173		G 09 B	1/24			
			224-232	F 24 H	1/00	98-101	A 61 C	17/14		F 41 G	3/26	174		G 09 B	1/18			
			233	F 27 D	1/12	102	A 61 C	1/02		G 09 B	19/00						1/20	
						103-109	A 61 C	1/02	17	G 09 B	19/00						1/22	
								1/08	18	F 41 A	33/00	175		G 09 B	1/28			
									19-23	F 41 G	3/26	176		G 09 B	3/02			
95-102	F 27 D	1/08																

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 434—Con.			303	G 09 B	23/22	37	C 12 Q	1/12	123	C 12 P	17/02	208	C 12 N	9/40
		7/02	304	G 09 B	19/12	38	C 12 Q	1/10	124	C 12 P	17/08	209	C 12 N	9/42
177	A 63 F	9/00	305	G 09 B	19/14	39	C 12 Q	1/06	125	C 12 P	17/06	210	C 12 N	9/44
178	G 09 B	17/00	306	G 09 B	9/00	40	C 12 Q	1/08	126	C 12 P	17/04	211	C 12 N	9/46
179,180	G 09 B	17/04			19/00	41	C 12 P	1/00	127	C 12 P	15/00	212	C 12 N	9/48
181	G 09 B	17/02	307-318	G 09 B	5/00	42	C 12 P	39/00	128	C 12 P	13/00	213	C 12 N	9/76
		17/04	319-321	G 09 B	5/04	43	C 12 P	37/00	129	C 12 P	13/02	214	C 12 N	9/74
182	G 09 B	17/02	322	G 09 B	3/00	44	C 12 P	37/06	130	C 12 P	11/00	215	C 12 N	9/72
183	G 09 B	17/02			7/00	45	C 12 P	37/04	131	C 12 P	9/00	216	C 12 N	9/70
		17/04	323-325	G 09 B	7/00	46	C 12 P	37/02	132	C 12 P	7/00	217	C 12 N	9/68
184	G 09 B	17/00	326	G 09 B	3/00	47	C 12 P	35/00	133	C 12 P	7/66	218	C 12 N	9/66
185	G 09 B	19/04	327	G 09 B	3/00	48	C 12 P	35/08	134	C 12 P	7/64	219	C 12 N	9/50
186	G 09 B	9/00			7/00	49	C 12 P	35/06	135	C 12 P	7/62	220	C 12 N	9/52
		23/00	328-334	G 09 B	3/00	50	C 12 P	35/04	136	C 12 P	7/40	221	C 12 N	9/54
		25/00	335-344	G 09 B	7/00	51	C 12 P	35/02	137	C 12 P	7/58	222	C 12 N	9/56
187,188	G 09 B	19/02	345-352	G 09 B	3/00	52	C 12 P	33/00	138	C 12 P	7/60	223	C 12 N	9/58
		23/02	353,354	G 09 B	3/00	53	C 12 P	33/20	139	C 12 P	7/56	224	C 12 N	9/60
189	G 09 B	19/02			7/00	54	C 12 P	33/12	140	C 12 P	7/54	225	C 12 N	9/62
190	G 09 B	1/08	355,356	G 09 B	7/00	55	C 12 P	33/16	141	C 12 P	7/52	226	C 12 N	9/64
		1/38	357	G 09 B	3/00	56	C 12 P	33/18	142	C 12 P	7/44	227	C 12 N	9/78
		19/02			7/00	57	C 12 P	33/14	143	C 12 P	7/50	228	C 12 N	9/80
191	G 09 B	19/02	358,359	G 09 B	7/00	58	C 12 P	33/06	144	C 12 P	7/48	229	C 12 N	9/82
192	B 43 L	1/00	360,361	G 09 B	3/00	59	C 12 P	33/08	145	C 12 P	7/46	230	C 12 N	9/84
	G 09 B	19/02			7/00	60	C 12 P	33/10	146	C 12 P	7/42	231	C 12 N	9/86
193-196	G 09 B	1/00	362	G 09 B	7/00	61	C 12 P	33/02	147	C 12 P	7/24	232	C 12 N	9/88
		19/02	363,364	G 09 B	3/00	62	C 12 P	33/04	148	C 12 P	7/26	233	C 12 N	9/90
197	G 09 B	1/24	365-407	G 09 B	25/00	63	C 12 P	31/00	149	C 12 P	7/38	234	C 12 N	9/92
		19/02	408,409	B 43 L	1/00	64	C 12 P	29/00	150	C 12 P	7/28	235	C 12 N	7/00
198-200	G 09 B	1/02	410	B 43 L	1/12	65	C 12 P	27/00	151	C 12 P	7/36	236	C 12 N	7/04
		19/02	411-414	B 43 L	1/00	66	C 12 P	25/00	152	C 12 P	7/34	237	C 12 N	7/08
201	G 09 B	5/00	415	B 43 L	1/00	67	C 12 P	23/00	153	C 12 P	7/32	238	C 12 N	7/06
202	G 09 B	1/00			23/00	68	C 12 P	21/00	154	C 12 P	7/30	239	C 12 N	7/02
203,204	G 06 C	1/00	416	B 43 L	1/00	69	C 12 P	21/06	155	C 12 P	7/02	240.1-240.23	C 12 N	5/00
	G 09 B	19/02	417	B 43 L	1/00	70	C 12 P	21/02	156	C 12 P	7/22	240.24	C 12 N	5/00
205-210	G 09 B	1/00			21/00	71	C 12 P	21/04	157	C 12 P	7/04			5/02
		19/02	418	B 43 L	1/00	72	C 12 P	19/00	158	C 12 P	7/18	240.241-240.243	C 12 N	5/00
211-216	G 09 B	23/02	419-421	B 43 L	1/00	73	C 12 P	19/64	159	C 12 P	7/20	240.25	C 12 N	5/02
		23/04	422-425	B 43 L	1/02	74	C 12 P	19/44	160	C 12 P	7/16	240.26-240.45	C 12 N	5/00
217	G 09 B	19/00	426-429	G 09 B	25/00	75	C 12 P	19/60	161	C 12 P	7/06	240.46,240.47	C 12 N	5/02
		23/00	430,431	G 09 B	29/00	76	C 12 P	19/62	162	C 12 P	7/14	240.48-240.5	C 12 N	5/00
218	G 09 B	9/00	432	A 47 B	39/00	77	C 12 P	19/58	163	C 12 P	7/08	240.51,240.54	C 12 N	5/00
		19/00	433	A 47 B	41/00	78	C 12 P	19/56	164	C 12 P	7/12			5/02
		25/00		G 09 B		79	C 12 P	19/46	165	C 12 P	7/10	242	C 12 N	3/00
219	G 09 B	19/00				80	C 12 P	19/48	166	C 12 P	5/00	243	C 12 N	1/00
220	G 09 B	19/14				81	C 12 P	19/54	167	C 12 P	5/02	244	C 12 N	1/38
221	G 09 B	19/00				82	C 12 P	19/50	168	C 12 P	3/00	245	C 12 N	1/36
222	G 09 B	19/26				83	C 12 P	19/52	169	C 12 P	1/06	246	C 12 N	1/34
223-226	G 09 B	19/00				84	C 12 P	19/26	170	C 12 P	1/04	247	C 12 N	1/32
227-230	G 09 B	13/00				85	C 12 P	19/28	171	C 12 P	1/02	248	C 12 N	1/26
231,232	G 09 B	13/02				86	C 12 P	19/42	172.1-172.3	C 12 N	15/00	249	C 12 N	1/28
233	G 09 B	13/00				87	C 12 P	19/38	173	C 12 N	13/00	250	C 12 N	1/30
234	G 09 B	19/00				88	C 12 P	19/40	174	C 12 N	11/00	251	C 12 N	1/24
		25/02				89	C 12 P	19/30			11/16	252	C 12 N	1/22
235-238	G 09 B	19/00				90	C 12 P	19/36	175	C 12 N	11/18	252.1	C 12 N	1/12
239-244	G 01 S	9/00				91	C 12 P	19/34	176	C 12 N	11/14			1/20
	G 09 B	9/00				92	C 12 P	19/32	177	C 12 N	11/02	252.2-252.9	C 12 N	1/20
245	G 09 B	19/00				93	C 12 P	1/00	178	C 12 N	11/10	253.1	C 12 N	1/12
246	A 44 C	23/00				94	C 12 P	19/24	179	C 12 N	11/12			1/20
	G 09 B	19/00				95	C 12 P	19/22	180	C 12 N	11/08	253.2-253.6	C 12 N	1/20
247-251	A 63 B	69/00				96	C 12 P	19/20	181	C 12 N	11/06	254	C 12 N	1/14
	G 09 B	9/00				97	C 12 P	19/18	182	C 12 N	11/04	255	C 12 N	1/16
		19/00				98	C 12 P	19/16	183	C 12 N	9/00	256	C 12 N	1/18
252	A 63 B	69/36				99	C 12 P	19/14	184	C 12 N	9/99	257	C 12 N	1/12
253	A 63 B	69/18				100	C 12 P	19/12	185	A 23 L	1/202	258	C 12 N	1/10
254	A 63 B	69/10				101	C 12 P	19/04	186	C 12 N	9/94	259	C 12 N	1/06
		69/12				102	C 12 P	19/10	187	C 12 N	9/98	260	C 12 N	1/04
255-259	G 09 B	19/00				103	C 12 P	19/08	188	C 12 N	9/96	261	C 12 N	1/02
260	G 09 B	19/24				104	C 12 P	19/06	189	C 12 N	9/02	262	C 07 C	
261	G 09 B	19/00				105	C 12 P	19/02	190	C 12 N	9/04		C 07 D	
262-275	G 09 B	23/28				106	C 12 P	13/04	191	C 12 N	9/06		C 07 F	
276	G 09 B	23/00				107	C 12 P	13/24	192	C 12 N	9/08		C 07 H	
277-282	G 09 B	23/26				108	C 12 P	13/22	193	C 12 N	9/10		C 07 J	
283	G 09 B	23/06				109	C 12 P	13/20	194	C 12 N	9/12		C 07 K	
284-286	G 09 B	23/00				110	C 12 P	13/14	195	C 12 N	9/14	263,264	D 06 M	16.00
		27/00				111	C 12 P	13/18	196	C 12 N	9/16	265	C 14 C	1/00
287,288	G 09 B	27/06				112	C 12 P	13/16	197	C 12 N	9/18	266	A 61 L	9/01
289	G 09 B	27/04				113	C 12 P	13/12	198	C 12 N	9/20	267	C 07 G	17.00
290-294	G 09 B	27/02				114	C 12 P	13/10	199	C 12 N	9/22	268	C 07 G	15.00
295-297	G 09 B	23/00				115	C 12 P	13/08	200	C 12 N	9/24	269	C 07 K	3/00
298	G 09 B	23/24				116	C 12 P	13/06	201	C 12 N	9/26	270	C 12 M	1/08
299	G 09 B	23/40				117	C 12 P	17/00	202	C 12 N	9/28	271	C 11 C	1/00
300	G 09 B	23/06				118	C 12 P	17/16	203	C 12 N	9/30	272,273	C 07 K	3/12
301	G 09 B	23/18				119	C 12 P	17/18	204	C 12 N	9/32	274	C 08 B	
302	G 09 B	23/08				120	C 12 P	17/14	205	C 12 N	9/34	275	C 08 B	30.04
						121	C 12 P	17/10	206	C 12 N	9/36	276	C 13 J	1/00
						122	C 12 P	17/12	207	C 12 N	9/38	277	D 21 C	1/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 435—Con.			138-146	G 01 N	33/00	14	H 01 L	21/324	213	H 01 L	21/56	312,313	H 01 R	13/62
278	D 21 C	3/00	147	G 01 N	25/20	15	H 01 L	21/477	214,215	H 01 L	21/60	314-319	H 01 R	4/54
279	D 01 C	1/04	148	G 01 N	7/00	16	H 01 L	21/04	216	H 01 L	21/60			13/62
280	C 07 C		149	G 01 N	25/18	17,18	H 01 L	21/26			21/449	320-323	H 01 R	4/38
	C 07 F				27/00	19	H 01 L	21/268			21/603	324-331	H 01 R	13/62
281,282	C 10 G	32/00	150	G 01 N	25/08	20-50	H 01 L	21/26	217,218	H 01 L	21/265	332-348	H 01 R	4/50
283	A 01 N	1/02	151,152	G 01 N	27/416	51-60	H 01 L	21/265	219	H 01 L	21/266			13/625
284	C 12 M	3/00	153	G 01 N	21/71			21/70			21/60	349-365	H 01 R	13/627
285	C 12 M	3/04	154,155	G 01 N	21/72			21/302	220-223	H 01 L	21/60	366-371	H 01 R	13/62
286	C 12 M	3/02	156	G 01 N	25/54	61-79	H 01 L	21/304	224	H 01 L	21/56	372,373	H 01 R	13/62
287	C 12 M	1/00	157	G 01 N	1/18			21/306	225	H 01 L	21/302			13/64
288	C 12 M	1/40			25/22			21/76			21/463	374-381	H 01 R	13/64
289	C 12 M	1/36	158,159	G 01 M	25/22	80	H 01 L	21/00	226,227	H 01 L	21/302	382-385	H 01 R	4/38
290	C 12 M	1/38	160	G 01 M	25/26			21/30			21/304			13/648
291	C 12 M	1/34	161	G 01 M	30/02	81	H 01 L	21/20			21/463	386	H 01 R	13/648
292	C 12 M	1/26	162	G 01 M	30/90			21/36	228	H 01 L	21/465	387-444	H 01 R	4/24
293	C 12 M	1/32	163	G 01 M	31/16	82	H 01 L	21/324	229	H 01 L	21/312			4/26
294	C 12 M	1/28	164	G 01 M	31/22	83-90	H 01 L	21/20			21/314			11/20
295	C 12 M	1/30			21/75	91,92	H 01 L	21/20			21/47	445-448	H 01 R	13/56
296	C 12 M	1/24	165	G 01 M	21/03			21/208			21/471	449-475	H 01 R	13/58
297,298	C 12 M	1/22	166-168	G 01 N	21/75			21/368	230	H 01 L	21/02	476-481	H 01 R	13/00
299	C 12 M	1/16	169,170	G 01 N	21/77	93-104	H 01 L	21/20	231-234	H 01 L	21/469	482	H 01 R	11/18
300	C 12 M	1/18	171	G 01 N	21/62	105-107	H 01 L	21/203	235-244	H 01 L	21/02			13/00
301	C 12 M	1/20	172	G 01 N	21/76	108-112	H 01 L	21/20	245,246	H 01 L	21/465	483-487	H 01 R	13/00
302-309	C 12 C	1/00	173	G 01 M	24/00	113	H 01 L	21/326	247,248	H 01 L	21/324	488-491	H 01 R	3/00
310	C 12 M	1/14	174-176	G 01 M	1/00	114-116	H 01 L	21/208			21/477	492-499	H 01 R	9/07
311	C 12 M	1/12	177,178	G 01 M	1/18			21/368	249	H 01 L	21/461			23/66
312	C 12 M	1/10	179,180	G 01 M	1/10	117	H 01 L	21/20	250	H 01 L	21/00	500	H 01 R	3/00
313	C 12 M	1/04	181	G 01 M	1/22	118-125	H 01 L	21/208				501	H 01 R	13/72
314	C 12 M	1/08	182,183	G 01 M	33/00	126	H 01 L	21/20				502-506	H 01 R	11/00
315	C 12 M	1/06	500	G 01 N	33/53	127-129	H 01 L	21/20				507-514	H 01 R	31/08
316	C 12 M	1/02	501	G 01 N	33/566			21/203	U.S. Class 439			515	H 01 R	3/00
317.1	C 12 N	1/00	502	G 01 N	33/579			21/205	ELECTRICAL CONNECTORS			516	H 01 R	27/00
320	C 12 N	15/00	503-505	G 01 N	33/567	130	H 01 L	21/208	1-10	H 01 R	39/00	517	H 01 R	33/945
822-910	C 12 N	1/00	506-509	G 01 N	33/564	131-133	H 01 L	21/20			41/00	518	H 01 R	29/00
		1/20	510	G 01 M	33/53	134-138	H 01 L	21/24	11-31	H 01 R	39/00	519-524	H 01 R	13/52
911-933	C 12 N	1/00	511	G 01 M	33/571			21/40	32,33	H 01 R	41/00	525,526	H 05 K	1/00
		1/14	512,513	G 01 N	33/553	139	H 01 L	21/228	34-37	H 01 R	33/00	527-533	H 01 R	13/60
934	C 12 N	1/00	514	G 01 M	33/558			21/383	38-40	H 01 R	11/30			13/66
935-945	C 12 N	1/00	515	G 01 M	33/559	140	H 01 L	21/24			13/60	534	H 01 R	13/60
		1/14	516	G 01 N	33/561			21/40	41,42	H 01 R	13/60			35/00
946	C 12 N	1/12	517	G 01 N	33/557	141	H 01 L	21/22	43-54	H 01 R	29/00	535-543	H 01 R	13/60
947	C 12 N	1/10	518	G 01 N	33/543			21/38			1/056			13/66
948	C 12 N	1/00	519	G 01 N	33/554	142-158	H 01 R	21/22			9/09	544-566	H 01 R	13/73
			520	G 01 N	33/555	159	H 01 L	21/24	55-85	H 01 R	1/00			1/01
			521	G 01 N	33/556	160-164	H 01 L	21/225	86-91	H 01 R	4/58	567-570	H 01 R	13/60
			522	G 01 N	33/555			21/385	92-108	H 01 R	4/66			13/66
			523	G 01 N	33/543	165-169	H 01 L	21/223			13/648	571-573	H 01 R	13/73
			524	G 01 N	33/551			21/383	109	H 01 R	3/00			1/01
			525,526	G 01 N	33/553	170	H 01 L	21/14	110-122	H 01 R	25/00	574-576	H 01 R	13/60
			527	G 01 N	33/552			21/306	123,124	H 01 R	13/46			13/66
			528-530	G 01 N	33/544			21/326	125-130	H 01 R	13/44	577	H 01 R	33/945
			531	G 01 N	33/545			21/479	131,132	H 01 R	13/44	578-585	H 01 R	9/05
1-19	G 01 M	31/00	532	G 01 M	33/549	171	H 01 L	21/306			13/60			17/04
20	G 01 M	33/02	533,534	G 01 N	33/546			21/324	133-150	H 01 R	13/44	586-603	H 01 R	13/40
21	G 01 M	33/04	535	G 01 N	33/544			21/479	151	H 01 R	13/66	604-606	H 01 R	13/58
		33/08	536	G 01 M	33/536	172	H 01 L	21/306	152-160	H 01 R	13/62	607-609	H 01 R	13/648
22	G 01 M	33/04	537	G 01 N	33/542			21/326	161	H 01 R	13/20			19/00
23	G 01 M	33/06	538	G 01 M	33/537			21/479	162-165	H 01 R	3/00	610	H 01 R	9/03
24	G 01 M	33/14	539	G 01 M	33/539	173	H 01 L	21/26	166-177	H 01 R	29/00	611-619	H 01 J	
25-33	G 01 M	33/24	540	G 01 N	33/541			21/268	178,179	H 01 R	3/08			1/00
34	G 01 M	33/00	541	G 01 N	33/538			21/306	180	H 01 R	13/62			17/00
35	G 01 M	24/00	542	G 01 N	33/536			21/326	181-187	H 01 R	13/53			19/00
36	G 01 M	33/00	543	G 01 N	33/531			21/42	188,189	H 01 R	29/00			21/00
37	G 01 M	31/10	544	G 01 N	33/532			21/423	190-206	H 01 R	4/60			23/00
38	G 01 M	33/00	545	G 01 N	33/534			21/479			4/64	620	H 01 R	13/66
39-42	G 01 M	33/18	546	G 01 N	33/533			21/306	207-216	H 01 R	4/60			33/945
43-46	G 01 M	35/00	547,548	G 01 N	33/53	174	H 01 L	21/326	217-224	H 01 R	27/00	621,622	H 01 R	13/68
47-51	G 01 M	35/02						21/479	225	H 01 R	13/02			33/95
52-55	G 01 M	35/08						21/44	226-244	H 01 R	33/02	623	H 01 R	9/11
56	G 01 M	37/00						21/48			33/08	624	H 01 R	9/03
57-59	G 01 M	23/00						21/60	245	H 01 R	4/56	625	H 01 R	13/40
60,61	G 01 M	31/00						23/48	246-252	H 01 R	13/64			13/46
		33/03						21/28	253-257	H 01 R	4/38	626	H 01 R	17/00
62	G 01 M	33/18						21/56	258	H 01 R	13/62	627	H 01 R	19/00
63-65	G 01 M	33/48						21/60	259-265	H 01 R	13/15			21/00
66,67	G 01 M	33/72						21/60			13/62			23/00
68	G 01 M	33/50						21/44	266-270	H 01 R	11/22			33/00
69,70	G 01 M	33/86						21/60	271-283	H 01 R	13/52	628	H 01 R	31/06
71	G 01 M	33/92						21/60	284-295	H 01 R	13/28	629-637	H 01 R	23/70
72	G 01 M	33/00						21/56			25/00	638-655	H 01 R	25/00
73-84	G 01 M	33/20						21/60	296-310	H 01 R	13/62			27/02
85	G 01 M	33/44						21/449	311	H 01 R	13/62			31/00
86-136	G 01 M	33/00						21/60			13/625			33/88
137	G 01 M	33/22												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 439—Con.			778-780	H 01 R	4/32			23/00	88	B 63 H	21/10	86	B 63 C	9/00
		33/90	781,782	H 01 R	4/44		B 60 L	1/14			21/38	87	B 63 C	9/06
		33/92			11/01	3	B 63 H	21/20	89	B 63 H	21/32	88	B 63 C	9/08
		33/94	783	H 01 R	4/50	4	B 63 H	23/10			21/34	89	B 63 C	9/08
556-659	H 01 R	9/03			11/01	5	B 63 H	21/12			21/38			9/20
660	H 01 R	17/00	784	H 01 R	11/09			21/165	90	B 63 H	1/04	90-95	B 63 C	9/125
		19/00	785	H 01 R	4/46	6	B 60 L	11/02			5/02			9/15
		21/00			11/03			11/16	91	B 63 H	1/04	96,97	B 63 C	9/105
		23/00	786	H 01 R	4/48			11/18			5/03			9/125
		33/00			11/03		B 63 H	21/17	92	B 63 H	1/06			9/15
661-667	H 01 R	17/04	787,788	H 01 R	11/09	7	B 60 L	15/20	93	B 63 H	1/08	98-101	B 63 C	9/125
		33/22	789	H 01 R	4/40	8	B 63 H	9/00	94	B 63 H	1/04			9/15
668,669	H 01 R	17/18	790-793	H 01 R	11/03			13/00	95-97	B 63 H	1/34			9/18
		21/22	794	H 01 R	11/09	9,10	B 63 H	19/02	98-100	B 63 H	1/38	102-124	B 63 C	9/08
670-674	H 01 R	13/625	795	H 01 R	11/03	11,12	B 63 H	21/175	101-103	B 63 H	16/04	125	B 63 C	9/28
		17/04	796-798	H 01 R	11/09	13	B 63 H	1/30			16/10	126-128	B 63 C	9/30
		33/46	799,800	H 01 R	4/38	14,15	B 63 H	1/36	104-109	B 63 H	16/06	129-131	B 63 C	9/08
675	H 01 R	17/04	801	H 01 R	4/30	16	B 63 H	1/30			16/07			9/28
		33/20			4/38			1/37			16/073	132	B 63 C	9/08
676	H 01 R	23/02	802	H 01 R	4/48	17	B 63 H	1/30	110	B 63 H	16/04	133	B 63 B	22/00
677-681	H 01 R	13/64	803	H 01 R	4/30			1/32	111	B 63 H	21/30			51/02
682	H 01 R	13/10	804	H 01 R	4/46	18	B 63 H	1/34	112	B 63 H	23/36	134	B 63 B	35/00
		19/00	805	H 01 R	4/38			1/30	113	B 63 H	19/00	135	B 63 C	11/00
		21/00			4/50	19,20	B 63 H	1/32				136	B 63 B	35/85
		23/02	806	H 01 R	4/40			1/32						
		33/00	807	H 01 R	4/50		B 63 H	1/34	U.S. Class 441					
683,684	H 01 R	33/76	808,809	H 01 R	4/34	21	B 63 H	16/00	BUOYS, RAFTS, AND AQUATIC DEVICES					
685	H 01 R	21/00	810-814	H 01 R	4/36	22	B 63 H	16/00	1	B 63 B	22/00	U.S. Class 445		
		33/72	815	H 01 R	4/38			16/02	2	B 63 B	22/06	ELECTRIC LAMP OR SPACE DISCHARGE		
686-690	H 01 R	13/502	816	H 01 R	4/48	23	B 63 H	16/00	3-5	B 63 B	22/02	COMPONENT OR DEVICE		
691	H 01 R	13/15			11/22			16/08	6	B 63 B	22/16	MANUFACTURING		
692-694	H 01 R	13/04	817	H 01 R	4/48	24	B 63 H	16/08	7	B 63 B	22/08	1	H 01 J	9/00
		19/00	818	H 01 R	4/52			16/16	8	B 63 B	22/10		H 01 J	21/00
		21/00	819	H 01 R	4/48	25	B 63 H	16/02	9	B 63 B	22/12	2	H 01 J	9/50
		23/02	820	H 01 R	4/52			16/08	10	B 63 B	22/14	3	F 23 Q	23/08
695,696	H 01 R	13/502	821	H 01 R	4/48			16/18	11	B 63 B	22/00			23/10
697	H 01 R	13/04	822	H 01 R	4/48	26-31	B 63 H	16/20			45/00	4-6	H 01 J	21/06
698	H 01 R	33/00			11/24	32	B 63 H	16/18	12	B 63 B	51/02			9/44
699	H 01 R	17/00	823	H 01 R	4/52	33,34	B 63 H	19/00	13-20	B 63 B	22/00	7	H 01 J	21/02
700	H 01 R	13/24	824	H 01 R	13/24	35	B 63 H	19/00			51/02	8	H 01 J	9/00
701	H 01 R	13/502	825,826	H 01 R	13/05	36	B 63 H	19/00	21-27	B 63 B	22/18	9-15	H 01 J	9/38
		13/514	827	H 01 R	13/17	37	B 63 H	7/00			22/20	16	H 01 J	9/395
702-707	H 01 R	33/05			15/08	38,39	B 63 H	11/00	28,29	B 63 B	22/20	17-21	H 01 J	9/38
708-715	H 01 R	9/22	828	H 01 R	4/48	40	B 63 H	11/107	30,31	B 63 B	22/22	22	H 01 J	9/00
716	H 01 R	9/26	829	H 01 R	11/22	41	B 63 H	11/11	32	B 63 B	22/24	23,24	H 01 J	9/20
717-722	H 01 R	9/22	830-835	H 01 R	4/48	42	B 63 H	11/113	33,34	B 63 B	22/26	25	H 01 J	9/26
723,724	H 01 R	11/09	836,837	H 01 R	4/52	43	B 63 H	11/117	35	B 63 B	9/04	26	H 01 J	9/00
725,726	H 01 R	4/28	838	H 01 R	4/48	44	B 63 H	11/09	36-42	B 63 B	35/58			33/10
727,728	H 01 R	4/30	839	H 01 R	4/48			11/12	43	B 63 B	35/607	27,28	H 01 J	9/00
		4/38			13/15	45	B 63 H	11/16	44-46	B 63 B	35/613	29	H 01 J	9/14
729	H 01 R	4/48	840,841	H 01 R	13/33	46	B 63 H	11/14	47-54	B 63 B	35/62			9/18
730	H 01 R	4/18	842	H 01 R	13/11	47	B 63 H	11/01	55	A 63 B	31/00			9/20
		4/72			15/10	48	B 63 H	11/103	56	A 63 B	31/10	30	H 01 J	9/236
731	H 01 R	13/514	843-847	H 01 R	13/187	49	B 63 H	1/26	57	A 63 B	31/02	31	H 01 J	9/00
732	H 01 R	15/00			15/10	50	B 63 H	1/14	58	A 63 B	31/10	32	H 01 J	9/04
733-735	H 01 R	13/40	848-858	H 01 R	11/22	51	B 63 H	3/00	59,60	A 63 B	31/12	33	H 01 J	9/18
736	H 01 R	13/405			13/11	52	B 63 H	25/42	61-63	A 63 B	31/11	34	H 01 J	9/12
737-740	H 01 R	13/42	859-862	H 01 R	4/48			1/15	64	A 63 B	31/08	35	H 01 J	9/02
741-743	H 01 R	13/415	863,864	H 01 R	4/50	53	B 63 H	21/30	65-67	B 63 B	1/00	36	H 01 J	9/12
744	H 01 R	13/428	865-868	H 01 R	4/18			5/12	68	B 63 B	35/00	37	H 01 J	9/236
745	H 01 R	13/434	869	H 01 R	9/16	54	B 63 H	5/12	69,70	B 63 B	35/85	38-42	H 01 J	9/38
746-749	H 01 R	13/432			13/40	55-65	B 63 H	21/26	71	B 63 B	1/00	44,45	H 01 J	9/26
750	H 01 R	13/40	870	H 01 R	9/20	66	B 63 H	1/18	72	B 63 B	35/00	46	H 01 J	9/04
751	H 01 R	13/42			13/415	67	B 63 H	1/16	73	B 63 B	35/85			9/12
752	H 01 R	13/514	871	H 01 R	13/428	68-72	B 63 H	5/15	74	B 63 B	1/00	47	H 01 J	9/12
753	H 01 R	13/502	872	H 01 R	13/432	73	B 63 H	1/28			35/00	48	H 01 J	9/04
754	H 01 R	4/28	873	H 01 R	13/428	74	B 63 H	23/02	75	B 63 B	1/00	49	H 01 J	9/12
755	H 01 R	4/30	874,875	H 01 R	4/02			23/34	76-78	B 63 B	35/83	50,51	H 01 J	9/04
756	H 01 R	11/01	876	H 01 R	4/02			23/35	79	B 63 B	1/00			9/12
757	H 01 R	4/38			9/09	75	B 63 H	21/28			35/00	52	H 01 J	9/14
758	H 01 R	4/42	877-882	H 01 R	4/10	76-78	B 63 H	21/24	80	B 63 C	9/00	53,54	H 01 J	9/38
759	H 01 R	4/48	883	H 01 R	11/11			21/36	81	B 63 C	9/08	55	H 01 J	9/39
760,761	H 01 R	4/28	884-891	H 01 R	9/24			21/30	82	B 63 C	9/32	56	H 01 J	9/385
762-764	H 01 R	4/42			13/02			21/22	83	B 63 C	9/00	57	H 01 J	9/39
765,766	H 01 R	4/38	892,893	H 01 R	13/46			41/00	84,85	B 63 C	9/26	58	H 01 J	9/00
767	H 01 R	4/46	894	H 01 R	9/22			5/06						
768	H 01 R	4/38			13/73			5/10						
769	H 01 R	4/40	U.S. Class 440					23/34						
770	H 01 R	4/50	MARINE PROPULSION					21/21						
771	H 01 R	4/30						21/22						
		4/38						41/00						
772-774	H 01 R	4/50												
775	H 01 R	4/28												
776	H 01 R	11/14												
777	H 01 R	11/01	1	B 63 H	21/22	85-87	B 60 K	41/00						

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 445—Con.			114-116	A 63 H	33/08	289-294	A 63 H	11/10	440	A 63 H	19/20	88	A 41 C	3/06
		9/20	117	A 63 H	33/04			13/00			17/16	89-93	A 41 C	3/00
		9/22	118	A 63 H	33/06	295	A 63 H	3/00			17/18	94-96	A 41 C	1/00
59	H 01 J	9/38	119	A 63 H	33/10	296	A 63 H	13/02	441,442	A 63 H	17/21	97	A 41 C	1/04
	H 01 T	21/04	120,121	A 63 H	33/06	297-303	A 63 H	3/28	443	A 63 H	29/00	98-154	A 41 C	1/00
60	H 01 J	9/06	122,123	A 63 H	33/12	304-306	A 63 H	3/24	444	A 63 H	18/00	155	A 41 C	1/08
		9/10	124-128	A 63 H	33/08	307	A 63 H	13/14	445	A 63 H	18/14	156	A 41 C	1/00
		9/16	129-139	A 63 H	33/26	308	A 63 H	11/06	446	A 63 H	18/00			
		9/46	140	A 63 H	33/00	309	A 63 H	13/16	447	A 63 H	19/28	U.S. Class 453		
	H 05 B	33/10	141-145	A 63 H	33/30	310	A 63 H	11/06	448,449	A 63 H	17/26	COIN HANDLING		
61	H 01 J	9/50	146	A 63 H	13/15	311,312	A 63 H	3/00	450-453	A 63 H	33/02	1	G 07 D	1/06
62	H 01 J	9/06	147-152	A 63 H	33/38	313	A 63 H	11/06	454	A 63 H	30/00	2	G 07 D	1/06
		9/10	153	A 63 H	23/00	314,315	A 63 H	15/02	455	A 63 H	30/02	3-15	G 07 D	3/00
		9/16	154,155	A 63 H	23/04	316	A 63 H	7/00	456	A 63 H	29/00	16,17	G 07 D	9/00
		9/46	156-159	A 63 H	23/00	317	A 63 H	13/04	457,458	A 63 H	29/18	18-29	G 07 D	1/00
	H 05 B	33/10	160,161	A 63 H	23/02	318	A 63 H	3/44	459	A 63 H	29/22	30	G 07 D	9/04
63	H 01 J	9/42	162	A 63 H	23/04	319	A 63 H	3/36	460	A 63 H	29/24	31-57	G 07 D	1/00
64	H 01 J	9/44	163	A 63 H	23/06	320	A 63 H	3/12	461	A 63 H	29/24	58-60	G 07 D	9/00
65,66	H 01 J	9/46	164,165	A 63 H	23/04	321	A 63 H	13/12	462	A 63 H	29/22	61,62	G 07 D	9/06
	H 05 B	33/10	166,167	A 63 H	29/10	322,323	A 63 H	11/08	463	A 63 H	29/24	63	G 07 D	9/00
67	H 01 J	9/05	168-174	A 63 H	29/08	324	A 63 H	13/18	464	A 63 H	17/00	U.S. Class 455		
		9/10	175	A 63 H	30/00	325,326	A 63 H	15/06	465	A 63 H	17/26	TELECOMMUNICATIONS		
		9/16	176	A 63 H	29/10	327-329	A 63 H	3/14	466	A 63 H	19/02	1	H 04 K	3/00
68	H 01 J	9/236			33/40	330	A 63 H	3/20	467	A 63 H	17/36	2	H 04 B	17/00
69	H 01 J	9/36	177	A 63 H				11/00	468	A 63 H	17/26		H 04 H	9/00
70	H 01 J	9/38	178-180	A 63 H	33/40			13/00	469-471	A 63 H	33/30	3-5	H 04 H	1/00
71	H 01 J	9/46	181,182	A 63 H	5/00	331	A 63 J	19/00	472-475	A 63 H	3/52	6	H 04 H	1/02
		9/48	183	A 63 H	3/06	332	A 63 H	11/00	476-482	A 63 H	33/30	7,8	H 04 B	3/36
72	H 01 J	9/42	184,185	A 63 H	3/28	333	A 63 H	13/02	483	A 63 H	17/44	9,10	H 04 B	7/14
		9/44	186	A 63 H	29/10	334,335	A 63 H	13/06	484	A 63 H	29/22	11	H 04 B	7/15
73	H 01 J	9/38	187	A 63 H	27/26	336	A 63 H	13/02	485	A 63 H	33/26	12,13	H 04 B	7/185
			188-196	A 63 H	3/31	337-339	A 63 H	3/36	486-491	A 63 H	33/00	14	H 04 B	7/195
					5/00			13/02				15-22	H 04 B	7/14
U.S. Class 446			197	A 63 H	29/10	340	A 63 H	3/20	U.S. Class 449			15-22	H 04 B	7/14
AMUSEMENT DEVICES, TOYS			198-201	A 63 H	13/00	341-350	A 63 H	3/40	BEE CULTURE			23	H 04 B	7/165
			202	A 63 H	33/40			3/48	1,2	A 01 K	51/00	24,25	H 04 B	7/14
			203-209	A 63 H	5/00	351	A 63 H	13/00	3,4	A 01 K	47/00	26.1	H 04 B	1/06
1,2	A 63 H	33/04	210	A 63 H	33/40	352,353	A 63 H	11/00	5	A 01 K	59/00	31-37	H 04 Q	7/00
3	A 63 H	11/02	211,212	A 63 H	27/26	354	A 63 H	13/00	6	A 01 K	47/00	38	H 04 B	7/00
4,5	A 63 H	33/00	213-216	A 63 H	5/00	355,356	A 63 H	7/00	7	A 01 K	57/00	39	H 04 B	7/24
6	A 63 H	17/02	217,218	A 63 H	33/40	357,358	A 63 H	13/00	8	A 01 K	49/00	40	H 04 B	13/02
7	A 63 H	17/00	219	A 63 H	33/22	359-361	A 63 H	3/20	9-11	A 01 K	53/00	41	H 04 B	5/00
8-13	A 45 C	1/12	220-226	A 63 H	3/06	362-367	A 63 J	19/00	12	A 01 K	57/00	42-45	H 04 B	1/00
			227	A 63 H	33/00	368	A 63 H	3/00	13,14	A 01 K	47/00	46,47	H 04 B	1/68
14	A 63 H	33/00	228,229	A 63 H	21/02	369-372	A 63 H	3/02	15-17	A 01 K	47/00	48	H 04 B	1/60
15-21	A 63 H	33/28	230-232	A 63 H	27/00	373	A 63 H	3/36	18-25	A 01 K	47/00	49	H 04 B	1/00
22	A 63 H	33/38	233	A 63 H	1/00	374	A 63 H	3/04	26,27	A 01 K	47/00	50	H 04 B	7/00
23	A 63 H	17/045	234,235	A 63 H	1/20	375,376	A 63 H	3/46	28	A 01 K	49/00	51	H 04 B	1/10
24	A 63 H	33/28	236-238	A 63 H	1/00	377	A 63 H	7/00	29-41	A 01 K	47/00	52	H 04 B	7/00
25	A 63 H	19/14	239,240	A 63 H	1/02	378-384	A 63 H	3/46	42-45	A 01 K	47/02	53-61	H 04 B	15/00
26-29	A 63 H	33/00	241	A 63 H	1/06	385,386	A 63 H	3/36	46	A 01 K	47/00	62	H 04 B	15/00
30-33	A 63 H	27/04	242	A 63 H	1/28	387,388	A 63 H	3/10	47	A 01 K	51/00	63-65	H 04 B	17/00
34,35	A 63 H	27/00			1/22			3/38	48	A 01 K	53/00	66	H 04 B	7/00
36-44	A 63 H	27/127	243-245	A 63 H	1/06	389	A 63 H	3/36	49	A 01 K	51/00	67	H 04 B	17/00
45	A 63 H	27/00	246-249	A 63 H	1/30	390,391	A 63 H	3/38	50	A 01 K	57/00	68-72	H 04 B	7/00
			250,251	A 63 H	1/28	392	A 63 H	3/44	51-53	A 01 K	59/00	73	H 04 B	1/38
46-48	A 63 H	27/00	252	A 63 H	1/32	393,394	A 63 H	3/36	54,55	A 01 K	59/02	74-77	H 04 B	1/40
49-53	A 63 H	33/20	253,254	A 63 H	27/127	395	A 63 H	13/18	56-59	A 01 K	51/00	78	H 04 B	1/44
54	A 63 H	27/14	255	A 63 H	1/00	396	A 63 H	15/06	60	A 01 K	47/04	79-82	H 04 B	1/46
55	A 63 H	27/00	256	A 63 H	1/18			5/00	61,62	A 01 K	57/00			
56	A 63 H	27/26	257	A 63 H	1/28	397-404	A 63 H	3/52	63	A 01 K	59/02			
57-62	A 63 H	27/00	258	A 63 H	1/06	405-407	A 63 H	33/30	64	A 01 K	57/00			
63-65	A 63 H	27/14	259,260	A 63 H	1/08	408	A 63 H	17/34						
66-68	A 63 H	27/00	261-263	A 63 H	1/00			19/14						
69	A 63 H	33/00	264	A 63 H	1/28	409	A 63 H	5/00						
70	A 63 H	33/32	265	A 63 H	1/06			33/02						
71	A 63 H	33/00	266	A 63 H	1/28	410	A 63 H	5/00						
72-74	A 63 H	3/00			3/52	411-413	A 63 H	17/34						
75	A 63 H	33/04	267	A 63 H	23/08			5/00						
76,77	A 63 H				3/00	414	A 63 H	17/34						
78	A 63 H	17/00	268	A 63 H	7/00			5/00						
79,80	A 63 H	33/16	269	A 63 H	11/00	415-422	A 63 H	17/44						
81	A 63 H	5/00			17/00	423	A 63 H	33/30						
82-84	A 63 J	19/00			5/00	424	A 63 H	17/12						
85,86	A 63 H	33/04	270-272	A 63 H	15/04	425,426	A 63 H	17/14						
87	A 63 H	33/14	273	A 63 H	13/00	427	A 63 H	17/06						
88	A 63 H	27/00	274	A 63 H	17/25	428	A 63 H	29/00						
89-92	A 63 H	33/04	275-277	A 63 H	11/12	429,430	A 63 H	17/00						
93-96	A 63 H	17/00	278	A 63 H	13/00	431	A 63 H	17/08						
97	A 63 H	3/16	279-284	A 63 H	17/00	432	A 63 H	17/14						
98	A 63 H	3/08			7/00	433	A 63 H	17/05						
99-101	A 63 H	3/16	285	A 63 H	11/10	434	A 63 H	17/00						
102-104	A 63 H	33/12			17/00	435-437	A 63 H	17/28						
105-110	A 63 H	33/08	286	A 63 H	17/25	438,439	A 63 H							
111-113	A 63 H	33/00	287,288	A 63 H										

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass			U.S. Subclass			IPC Subclass		
Subclass			Subclass			Subclass			Subclass			Subclass			Subclass			Subclass			Subclass		
Notation			Notation			Notation			Notation			Notation			Notation			Notation			Notation		
U.S. Class 455—Con.																							
83	H 04 B	1/44	9,10	A 01 F	19/00		B 07 B	1/50	37-39	F 16 D	7/04												
84-88	H 04 B	1/40	11-13	A 01 F	19/00	99	B 08 B	5/00	40-48	F 16 D	7/02	24	F 16 H	55/56									
89,90	H 04 B	1/38	14	A 01 F	12/52		A 01 F	12/48	49	F 16 D	3/54	25-27	F 16 H	9/12									
91-94	H 04 B	1/02		A 23 M	5/00		B 07 B	1/55	50	F 16 D	3/08			59/00									
95-100	H 04 B	1/034	15	A 01 F	11/00	100	B 08 B	5/00	51-53	F 16 C	1/00			61/00									
101	H 03 C	7/02	16	A 01 F	12/00		A 01 F	12/48		F 16 D	3/00			63/00									
	H 04 B	1/02		B 02 B	7/02		B 07 B	1/50			3/12	28	F 16 H	59/00									
102		7/02	17,18	A 01 F	12/00	101,102	B 08 B	5/00	54	F 16 D	3/52			61/00									
		7/02	19	A 01 F	12/14		A 01 F	12/32	55,56	F 16 D	3/50			63/00									
103-105	H 04 B	1/02	20	A 01 F	12/00	103,104	B 07 B	1/00	57-60	F 16 C	1/00	29	F 16 H	9/18									
		1/66	21,22	A 01 F	7/00	105,106	A 01 D	75/18		F 16 D	3/12			59/00									
106-108		1/04	23	A 01 D	90/10		A 01 F	12/16			3/14			61/00									
		1/52	24	A 01 F	11/02			21/00	61-68	F 16 D	3/12	30,31	F 16 H	9/20									
	H 03 C	1/02	25	A 01 F	11/06	107,108	A 01 F	12/24			3/14			59/00									
	H 04 B	3/00		A 23 M	5/00	109	A 01 F	12/28			3/52			61/00									
109		1/68	26,27	B 02 B	3/00	110	A 01 F	12/24			3/66			63/00									
110-114	H 04 B	1/04		A 01 F	11/06	111	A 01 F	12/30	69	F 16 D	3/62	32-36	F 16 H	9/16									
115	H 03 C	1/62		B 02 B	3/00	112	A 01 F	12/40	70-72	F 16 D	3/28			55/56									
	H 04 B	17/00	28,29	A 01 F	11/06	113	A 01 F	12/00			3/70	37-42	F 16 H	9/12									
116-127	H 01 Q	11/12		B 02 B	3/04			12/38	73-101	F 16 D	3/52			59/00									
	H 04 B	1/04	30	A 01 F	11/06		B 02 B	3/08			3/56			61/00									
128-132			31	A 01 F	11/06	114	A 01 D	17/02			3/64			63/00									
133-139	H 04 B	17/02		B 02 B	3/04		A 01 F	12/46			3/72	43-45	F 16 H	55/56									
140-192			32	A 01 F	12/20	115	A 01 D	17/04			3/76			57/04									
193	H 04 B	1/18		B 02 B	3/08	116	A 01 F	12/56			3/78	46	F 16 H	55/56									
194,195	H 04 B	1/16	33	A 01 F	12/22	117	A 01 F	12/54	102-105	F 16 D	3/04	47,48	F 16 H	55/30									
196-199	H 04 B	1/26		B 02 B	3/00	118	A 23 M	12/06	106-108	F 16 D	3/00			55/36									
200	H 04 B	1/16	34	A 01 F	12/20		B 02 B	1/00	109	F 16 D	3/16			55/52									
201	H 04 B	1/06		B 02 B	3/10	119	F 26 B	21/00			3/30	49	F 16 H	9/02									
		1/66	35	A 01 F	11/06	120	A 01 F	12/60	110	F 16 D	3/16			59/00									
202-204		1/06		B 02 B	3/00		A 01 F	12/32	111	F 16 D	3/26			61/00									
		1/68	36	A 01 F	12/28			12/38	112-136	F 16 D	3/16			63/00									
205-211	H 04 B	1/16		B 02 B	3/00	121,122	A 01 F	12/00			3/20	50	F 16 H	59/00									
212,213	H 04 B	1/10	37	A 01 F	11/06	123	A 01 D	13/00			3/26			61/00									
		1/16		B 02 B	3/12			21/00	137,138	F 16 D	3/48	51	F 16 H	55/54									
214-217	H 04 B	1/16	38,39	A 01 F	12/40	124-126	A 01 D	45/22	139-146	F 16 D	3/16			59/00									
218-225	H 04 B	1/10	40,41	A 01 F	11/06			45/24			3/34			61/00									
226	H 04 B	17/00	42,43	A 01 F	12/44	127-133	A 01 D	29/00			3/36			63/00									
227-229	H 04 B	1/16	44	A 01 F	12/48			46/02			3/44	52	F 16 H	9/10									
230-267	H 04 B	1/06	45,46	A 01 F	11/06		A 23 M	15/10			3/50			9/24									
		7/00		A 23 M	5/00	134	A 01 D	45/00	147,148	F 16 C	1/04			55/30									
268	H 04 B	1/16		B 02 B	3/00			45/02			3/16			59/00									
269,270	H 04 B	1/06	47-57	A 01 F	11/06		B 02 B	12/02			3/50			61/00									
		7/00		B 02 B	3/08			15/10	149	F 16 D	3/18			63/00									
271	H 04 B	1/10	58	A 01 F	11/06	135-140	A 01 D	45/00			3/44												
		15/00		B 02 B	3/02			46/00	150-153	F 16 D	3/16												
272-279	H 04 B	1/06	59	A 01 F	12/00	141	A 01 D	45/00			3/20	53-57	F 16 H	9/10									
		7/00		F 26 B	25/22			46/00			3/26	58-68	F 16 H	7/00									
280-282	H 04 B	1/18	60	A 01 F	21/00		B 02 B	3/00			3/50	69-83	F 16 H	9/00									
283-288	H 04 B	1/10		F 26 B	3/04	142	A 01 D	45/00	154	F 16 D	3/18			59/00									
		1/18	61	A 01 F	9/00			46/00			3/44			61/00									
289-294	H 04 B	1/18	62	A 01 F	12/28		B 02 B	3/08	155	F 16 D	3/26			63/00									
295-312	H 04 B	1/10	63	A 01 F	12/20	143	A 01 D	45/00	156-159	F 16 D	3/18	84-89	F 16 H	7/00									
313-316	H 04 B	1/26			12/22			46/00			3/44	91	F 16 H	57/04									
		15/00	64	A 01 F	7/06		B 02 B	3/14	160,161	F 16 D	1/12	92	F 16 H	57/00									
317	H 04 B	1/10		B 02 B	3/06	144-148	A 01 D	17/00			3/10	93	F 16 H	57/04									
		15/06	65	A 01 F	7/02	149,150	A 01 F	7/00	162	F 16 C	3/03	94	F 16 D	3/00									
318-332	H 04 B	1/26		B 07 B	7/08						3/06			55/14									
333	H 04 B	1/28	66	A 01 F	7/06				163-166	F 16 D	3/04	95	F 16 H	55/12									
334-343	H 04 B	1/16		B 02 B	3/06						17/02			55/46									
344	H 04 B	1/06	67	A 01 F	12/18				167-169	F 16 C	3/03	96-99	F 16 H	55/12									
	H 05 K	11/00	68	A 01 F	12/00						3/06	100	F 16 H	7/18									
345,346	H 04 B	1/06	69	A 01 F	7/06		B 02 B	3/06	170-178	F 16 C	1/26	101	F 16 H	7/08									
	H 05 K	11/02	70	A 01 F	12/10						3/84			7/22									
347-351	H 04 B	1/08	71,72	A 01 F	12/34				179-183	F 16 C	3/00	102-108	F 16 H	7/22									
352-355	H 04 B	1/06	73	A 01 F	12/38	1-6	F 16 D	3/10	184	F 16 C	35/08	109,110	F 16 H	7/08									
600-619	G 02 F	1/00		B 02 B	3/08	7-16	F 16 C	1/24	185	F 16 D				7/22									
		2/00	74	A 01 F	12/38		F 16 D							7/08									
	H 01 S	3/00	75	A 01 F	7/04		F 16 M	1/00						7/10									
620	H 04 B	10/00	76,77	A 01 F	12/00	17	F 16 D							7/14									
	H 01 S	4/00	78	A 01 F	12/40	18-21	E 21 B	17/02						7/22									
	H 04 B		79	A 01 F	12/44		F 16 D							7/18									
	H 04 H			B 07 B	1/00	22	B 08 B							7/12									
	H 04 M		80	A 01 F	7/06		F 16 D							7/00									
					12/44	23	F 16 D							7/18									
					12/44		G 08 B							55/30									
			81-83	A 01 F	1/22	24-28	F 16 D	3/80						55/36									
			84	A 01 F	12/44			31/00						7/00									
			85	A 01 F	12/30	29	F 16 D	27/00						13/00									
			86	A 01 F	12/30		H 02 M	13/00						1/00									
				B 07 B	1/10	30	F 16 D	7/02						57/02									
			87-95	A 01 F	12/30	31-33	F 16 D	9/00						7/00									
			96	A 01 F	12/38	34	F 16 D	7/00						7/24									
			97,98	A 01 F	12/44	35,36	F 16 D	7/06						55/14									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 474—Con.			5	B 31 B	1/00	84	B 31 B	17/74	183,184	B 31 B	3/02	256	B 31 B	1/76
					49/00			1/60			1/50	257-259	B 31 B	1/80
152	F 16 H	55/36	6	B 31 B	1/60			13/00	185	B 31 B	1/26	260-263	B 31 B	1/74
153,154	F 16 H	55/30			1/62	85	B 31 B	17/00			49/02	264-266	B 31 B	1/48
		7/02			13/00			49/00	186	B 31 B	1/00	267	B 31 B	1/62
		7/04			49/00			43/00			19/00			1/00
155-157	F 16 H	7/06	7	B 31 B	1/62			49/02			21/00			47/02
158-160	F 16 H	7/06			49/00	86	B 31 B	7/14			23/00			47/04
		55/12	8-38	B 31 B	1/00			13/14			25/00	268	B 31 B	49/00
161	F 16 H	55/30			49/00			15/14			27/00			1/00
162,163	F 16 H	55/06	39-50	B 31 C	13/00	87	B 31 B	1/84			29/00			47/00
		55/12	51	B 31 B	1/00	88	B 31 B	1/85			31/00	269	B 31 C	49/04
		55/14			49/00	89	B 31 B	1/70			33/00			1/00
164	F 16 H	55/30	52	B 31 B	1/00			1/72			37/00			3/00
165	F 16 H	7/20			3/00			7/00			39/00			5/00
		55/30			9/00			15/00			49/04	270	B 31 C	11/00
166	F 16 H	55/36			11/00	90-92	B 31 B	11/00	187,188	B 31 B	1/88	271	B 31 C	11/02
167	F 16 H	7/02			13/00	93-101	B 31 B	7/00	189-209	B 31 B	1/64	272,273	B 31 C	11/04
		7/04	53-55	B 31 B	1/88	102-109	B 31 B	1/90			49/04	274	B 31 C	11/06
168-170	F 16 H	55/49	56,57	B 31 B	1/14	110	B 31 B	1/00	210	B 31 B	1/60	275-286	B 31 C	11/04
		55/50			3/14			7/00			19/60	287-290	B 31 C	11/02
171	F 16 H	55/36			5/14			17/00			39/00	291	B 31 C	11/00
172,173	F 16 H	7/18			7/14	111-113	B 31 B	15/00			41/00	292	B 31 C	13/00
174-189	F 16 H	55/36			9/14	114,115	B 31 B	1/60	211	B 31 B	1/00	293	B 31 C	11/00
190-194	F 16 H	55/48			11/14	116,117	B 31 B	1/72			49/04	294	B 31 C	11/04
195,196	F 16 H	55/40			13/14	118,119	B 31 B	1/68	212	B 31 B	1/90			13/00
197-199	F 16 H	7/20			15/14			1/70	213	B 31 B	1/84	295	B 31 C	13/00
		55/36			17/14	120	B 31 B	1/92	214-216	B 31 B	1/90	296	B 31 C	7/00
200	F 16 G	1/00	58	B 31 B	1/88			7/02	217	B 31 B	39/00	297	B 31 C	1/06
201	F 16 G	1/00	59-61	B 31 B	1/25			11/02	218,219	B 31 B	1/90			3/02
		5/00	62	B 31 B	1/16	121	B 31 B	13/02	220	B 31 B	1/60			7/06
202-205	F 16 G	1/28			1/20			15/02			49/04	298	B 31 C	13/00
		5/20	63	B 31 B	1/14	122	B 31 B	1/06	221	B 31 B	1/62			7/10
206-209	F 16 G	13/02			3/14			7/02			1/86			13/00
210,211	F 16 G	13/10			5/14			11/02	222	B 31 B	1/82	299	B 31 C	1/00
212-217	F 16 G	13/04			7/14			13/02	223	B 31 B	1/14	300,301	B 31 C	1/08
218	F 16 G	15/10			11/14			15/02	224	B 31 B	1/16	302	B 31 C	13/00
219-225	F 16 G	13/02			13/14			17/02	225	B 31 B	1/90	303-307	B 31 C	3/00
		15/00			15/14	123-125	B 31 B	1/12	226	B 31 B	1/86			13/00
226-236	F 16 G	13/02			17/14	126,127	B 31 B	1/10	227	B 31 B	1/14			1/04
237	F 16 G	1/00	64-66	B 31 B	1/14			1/60	228	B 31 B	1/25	308	B 31 C	3/04
		5/00			49/02	128	B 31 B	1/62	229	B 31 B	1/22			1/78
		9/00	67	B 31 B	13/00			3/60	230	B 31 B	1/26	309-312	B 31 B	1/80
238	F 16 G	1/18			17/00			5/60			27/14	313-317	B 31 B	1/78
239	F 16 G	9/00	68,69	B 31 B	1/14			7/60	231	B 31 B	1/26	318,319	B 31 B	1/88
		1/21			1/26			9/60	232	B 31 B	1/22	320	B 31 B	1/88
240-248	F 16 G	1/22			1/60			11/60	233,234	B 31 B	1/14	321	B 41 F	13/54
		5/16			49/00			13/60			27/14	322	B 31 B	1/88
249-252	F 16 G	1/28	70	B 31 B	1/48			15/60	235	B 31 B	1/14			7/00
		5/20	71,72	B 31 B	1/02			17/60			1/26			3/20
253	F 16 G	3/00			1/36	129	B 31 B	1/64			19/14	323	B 31 B	1/88
		7/00			3/02	130-132	B 31 B	1/62			21/14			7/00
254	F 16 G	3/10			5/02	133-135	B 31 B	1/64			49/00			11/00
		7/00			7/02	136	B 31 B	1/48	236	B 31 B	1/14	324,325	B 31 B	1/88
255,256	F 16 G	3/00			9/02	137-140	B 31 B	1/50			19/14			7/00
		7/00			11/02	141-146	B 31 B	1/62			21/14			13/56
		11/00			13/02			49/02			49/00	326	B 31 F	1/00
257	F 16 G	3/08			15/02	147	B 31 B	1/04	237	B 31 B	1/22			7/00
		7/00	73	B 31 B	1/14	148-151	B 31 B	1/62	238	B 31 B	27/14	327	B 31 F	7/02
258	F 16 G	3/10			3/14	152-159	B 31 B	1/28	239	B 31 B	1/16	328	B 31 B	1/62
		3/12			11/14			1/44	240-242	B 31 B	1/25	329	B 05 C	3/00
259-264	F 16 G	1/00	74	B 31 B	1/16			1/74	243,244	B 31 B	1/26			1/62
		5/00	75-77	B 31 B	1/60			49/02			19/26			5/04
		9/00			13/00	160,161	B 31 B	1/25			21/26	330	B 05 C	1/00
265	F 16 G	1/04	78	B 31 B	1/62	162	B 31 B	1/26			23/26			1/62
266-268	F 16 G	1/02	79	B 31 B	1/26			3/00			25/26			
269	F 16 G	1/04			7/26	163-166	B 31 B	1/28			27/26	331-337	B 05 C	1/00
270	F 16 G	1/12			9/26			3/00			29/26			5/10
		1/02			11/26	167-174	B 31 B	1/44			31/26	338,339	B 31 B	43/00
271	F 16 G	1/10			13/26			3/74			33/26	340-372	B 31 B	1/14
		1/20			15/26	175	B 31 B	1/28			35/26			49/00
272	F 16 G				17/26	176	B 31 B	1/28			37/26			5/02
273	F 16 G		80	B 31 B	1/48			1/52	245	B 31 B	1/48			7/00
			81	B 31 B	1/02	177,178	B 31 B	1/02	246	B 31 B	1/26	373	B 31 B	49/00
					1/14			1/26	247	B 31 B	1/32	374	B 31 B	13/00
					1/36			3/02	248	B 31 B	1/36			17/00
			82	B 31 B	1/14	179	B 31 B	1/58	249	B 31 B	1/26			49/00
					1/74			3/02	250	B 31 B	1/28			1/00
			83	B 31 B	1/14	180	B 31 B	1/04			1/44			3/00
					3/74			1/26	251	B 31 B	1/36			5/00
					5/74			1/36			1/44	375,376	B 31 B	1/90
					7/74	181	B 31 B	1/04	252	B 31 B	1/28			1/02
					9/74			1/26	253	B 31 B	25/26	377	B 31 B	1/90
					11/74			1/36	254	B 31 B	21/26	378	B 31 F	5/00
1-3	B 31 B	1/00			13/74			1/76			23/26	379-381	B 31 B	49/00
		49/00			15/74	182	B 31 B	1/58	255	B 31 B	1/60			1/00
4	B 31 C	13/00												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 493—Con.					11/02			9/00	15	C 03 C	8/24	118-120	C 04 B	35/02
	B 31 F	1/00			11/04	48	B 04 B	1/10	16	C 03 C	8/22			35/04
382	B 31 B	5/00	2-4	B 04 B	1/16			1/14	17	C 03 C	8/14	121	C 04 B	35/44
		1/60			1/18			3/08	18	C 03 C	8/20	122	C 04 B	35/04
		49/00			11/02	49	B 04 B	9/00	19	C 03 C	8/18			35/18
383-385	B 31 F	5/06			11/04			9/06	21	C 03 C	8/02	123-125	C 04 B	35/02
386-389	B 31 B	1/68			11/05	50,51	B 04 B	1/20	22	C 03 C	8/10	126-132	C 04 B	35/02
		7/00	5,6	B 04 B	11/02			3/02	23	C 03 C	8/12			35/10
		11/00			11/04			3/04	24	C 03 C	8/08			35/16
		13/00	7-9	B 04 B	9/10			9/00	25	C 03 C	8/06			35/18
		15/00			13/00			11/00	26	C 03 C	8/04			35/26
390	B 31 B	1/50	10	B 04 B	15/00			11/08	27	C 03 C	6/00			35/40
391	B 31 B	11/00	11	B 04 B	13/00	52	B 04 B	1/20			6/02	133	C 04 B	35/14
		49/00	12	B 04 B	7/06			3/04	28	C 03 C	6/10			35/16
392	B 31 B	1/68	13,14	B 04 B	15/02			11/08	29	C 03 C	6/08	134-139	C 04 B	35/46
393,394	B 31 B	1/60	15	B 04 B	15/00	53,54	B 04 B	1/20	30	C 03 C	6/06			35/48
		1/82	16	B 04 B	5/02			3/04	31	C 03 C	6/04			35/49
		1/90	17	B 04 B	5/02	55	B 04 B	11/08	32	C 03 C	1/00	140	C 04 B	35/00
395	B 31 F	1/00			11/00	56	B 04 B	1/10			14/00	141,142	C 04 B	33/00
396	B 31 B	1/25	18	B 04 B	5/02			1/14	33	C 03 C	12/00	143,144	C 04 B	33/24
	B 31 F	1/08			9/00			11/00	34	C 03 C	12/02	145-149	C 04 B	33/00
397-399	B 31 B	1/26			11/00			11/04	35	C 03 C	13/00			33/02
		7/00	19	B 04 B	5/02			11/05	36	C 03 C	13/06			33/04
	B 31 F	1/00			9/00	57-59	B 04 B	11/08	37	C 03 C	13/04	150	C 04 B	33/02
400-403	B 31 B	1/36	20,21	B 04 B	5/02	60	B 04 B	7/02	38	C 03 C	13/02			33/04
404	B 31 B	1/25	22	B 04 B	5/06			7/04	39	C 03 C	11/00			33/10
	B 31 F	1/08			11/00			9/12	40	C 03 C	3/32			33/30
		7/00	23	B 04 B	11/00			11/06	41	C 03 C	3/12	151	C 04 B	33/00
405	B 31 B	1/26			15/08			15/08	42	C 03 C	3/253			35/02
	B 31 F	1/00			15/12	61	B 04 B	7/02	43	C 03 C	3/23			35/16
406	B 31 F	1/00	24	B 04 B	9/06			15/08	44	C 03 C	3/247	152	C 04 B	35/50
407	B 31 F	1/12			11/00	62	B 04 B	7/02	45	C 03 C	3/16			35/51
408	B 31 B	1/00	25,26	B 04 B	11/00			9/12	46	C 03 C	3/21	153	C 04 B	35/10
409,410	B 31 B	1/00			15/08	63	B 04 B	7/02	47	C 03 C	3/19			35/18
411,412	B 31 B	1/26			15/12			7/08	48	C 03 C	3/17			35/44
	B 31 F	1/00	27-30	B 04 B	11/00			11/06	49	C 03 C	3/14	154	C 04 B	35/16
413-415	B 31 F	1/00			15/06	64	B 04 B	15/06	50	C 03 C	3/15			35/18
		7/00	31,32	B 04 B	5/00	65	B 04 B	11/00	51	C 03 C	3/155			35/20
416-418	B 31 F	1/00			5/10			11/02	52	C 03 C	3/145			35/22
419-421	B 31 F	1/00	33	B 04 B	5/02	66	B 04 B	1/04	53	C 03 C	3/04	155	C 04 B	35/00
		7/00			5/10			7/12	54	C 03 C	3/06	900-903	C 03 C	4/00
422,423	B 31 F	1/00	34	B 04 B	5/00	67-69	B 04 B	1/04	55	C 03 C	3/076	904	C 03 C	4/10
424-429	B 31 F	1/08			5/10			1/08	56	C 03 C	3/11	905	C 03 C	4/08
		1/10	35	B 04 B	1/00			7/12	57	C 03 C	3/112			
430	B 31 F	1/20			3/00			7/14	58	C 03 C	3/115			
431,432	B 31 F	1/00			5/00	70-73	B 04 B	1/08	59	C 03 C	3/118			
433	B 31 F	1/00	36	B 04 B	5/10			7/14	60	C 03 C	3/102			
		7/00			7/16	74,75	B 04 B	1/04	61	C 03 C	3/108			
434,435	B 31 F	1/10			7/18			7/12	62	C 03 C	3/105			
436-440	B 31 F	1/00	37	B 01 D	21/26	76-78	B 04 B	1/06	63	C 03 C	3/097			
		7/00			43/00			7/12	64	C 03 C	3/095			
441	B 31 F	1/30			45/00	79,80	B 04 B	1/04	65	C 03 C	3/089			
		7/00			45/12			7/12	66	C 03 C	3/091	1,2	B 01 J	33/00
442-445	B 31 F	1/10			45/14	81	B 04 B	7/08	67	C 03 C	3/093	3	B 01 J	35/12
		7/00	38	B 04 B	3/08	82	B 04 B	9/14	68	C 03 C	3/083	4	B 01 J	20/28
446-451	B 31 F	1/00			7/02	83	B 04 B	9/00	69	C 03 C	3/085			35/00
		7/00			7/08			9/08	70,71	C 03 C	3/087	5	B 01 J	37/34
452	B 31 B	1/26			9/00	84	B 04 B	9/00	72	C 03 C	3/078	6	B 01 J	20/00
		1/84			9/02			9/02	73	C 03 C	3/062			21/00
453	B 31 B	1/48			15/08			9/04	74	C 03 C	3/07			23/00
454	B 31 B	1/56	39	B 04 B	15/08			9/06	75	C 03 C	3/072			25/00
455,456	B 31 B	1/44	40	B 04 B	3/08			9/08	76	C 03 C	3/074			27/00
457	B 31 B	1/52			7/08			9/10	77	C 03 C	3/064			29/00
458	B 31 B	1/26	41	B 04 B	7/02	85	B 01 D		78	C 03 C	3/068			31/00
459	B 31 B	1/36			7/08		B 04 B		79	C 03 C	3/066			37/36
460-462	B 31 F	1/00			9/00				80	C 04 B	38/00	7	B 01 J	37/36
463	B 31 F	1/20			9/08				81-83	C 04 B	38/06	8-10	B 01 J	35/08
464-466	B 31 B	1/00	42	B 04 B	5/10				84	C 04 B	38/02	11,17	B 01 J	37/30
467	B 31 B	1/62			11/00						38/10	20	B 01 J	20/34
468-476	B 31 B	1/28			15/00						38/00			21/20
		47/00	43	B 04 B	1/02				85	C 04 B	38/00			23/90
		49/00			1/04				86	C 30 B	29/00			25/04
477-479	B 31 B	1/00			1/06	1	C 04 B	35/00	87-93	C 04 B	35/52			27/28
		47/00			1/08	2	C 03 C	10/00			35/56			29/38
480	B 31 B	49/00			7/08	3	C 03 C	10/16	94	C 04 B	35/02			31/40
					7/10	4	C 03 C	10/14	95	C 04 B	35/02			38/00
					7/12	5	C 03 C	10/04			35/08	21	B 01 J	20/34
					7/14	6	C 03 C	10/10	96-98	C 04 B	35/58			38/72
			44	B 04 B	1/04	7	C 03 C	10/12	99-101	C 04 B	35/52	22	B 01 J	20/34
					5/10	8	C 03 C	10/06			35/54			38/48
					7/08	9	C 03 C	10/08	102-107	C 04 B	35/48	23	B 01 J	20/34
					7/08	10	C 03 C	10/02	108-116	C 04 B	35/02	24	B 01 J	20/34
			45	B 04 B	7/12	11,12	C 03 C	3/00			35/04			38/68
					9/00	13	C 03 C	4/00	117	C 04 B	35/04	25	B 01 J	20/34
			46	B 04 B	3/06	14	C 03 C	8/00			35/42			38/64
			47	B 04 B										
U.S. Class 494														
IMPERFORATE BOWL, CENTRIFUGAL SEPARATORS														
I	B 04 B	9/10												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 502—Con.			175	B 01 J	27/20	349-352	B 01 J	23/00	822	B 22 C		891	F 28 D	15/02
			176	B 01 J	27/26	353	B 01 J	23/16		B 22 D		892	F 25 B	21/00
26	B 01 J	20/34	177	B 01 J	27/22			23/18		B 22 F			H 01 F	5/08
		38/66	178	B 01 J	27/22			23/20		B 29 C				7/22
27	B 01 J	20/34	179	B 01 J	27/22	354	B 01 J	23/20	823	B 22 F		893	G 01 J	3/00
		38/60	180	B 01 J	21/18	355	B 01 J	23/00	824	H 01 L		894,895	F 25 B	9/00
28	B 01 J	20/34	181	B 01 J	21/18	400	B 01 J	20/00		H 02 M				9/02
		38/62	182	B 01 J	21/18	401	B 01 J	20/22	825	H 01 L	39/00	896	F 25 B	15/00
29	B 01 J	20/34			27/06	402	B 01 J	20/26	826	B 05 C				17/00
		38/50	183	B 01 J	21/18	403,404	B 01 J	20/00	827	H 03 M	1/00	897	F 17 C	
30	B 01 J	20/34			23/00	405,406	B 01 J	20/02	828	H 01 P	1/11		F 17 D	
		38/58	184	B 01 J	23/02	407-412	B 01 J	20/10		H 03 D	1/00		F 25 B	41/00
31	B 01 J	20/34			23/06			20/12	829	G 06 F	1/00	898	F 17 C	1/00
		38/56			21/18			20/14	830	H 03 K	23/76			3/00
32	B 01 J	20/34			23/02			20/16	831-834	G 11 C	11/44	899	F 25 B	
		38/54			23/48			20/18	835	G 11 C	15/06		F 25 D	
33	B 01 J	20/34			23/72	413	B 01 J	20/20	836,837	G 11 C	19/08	900	F 28 C	
		38/52			21/18	414,415	B 01 J	20/00	838,839	G 11 C	11/02		F 28 D	
34	B 01 J	20/34	185	B 01 J	23/40	416-438	B 01 J	20/02	840	G 11 C	11/065	901	F 28 F	
		38/04			23/74	439	B 01 J	21/04	841	G 11 C	11/063		F 28 D	15/02
35	B 01 J	20/34			27/24			23/02	842,843	G 01 C	21/08	902	B 60 L	
		38/42	200	B 01 J	27/25	U.S. Class 503				G 01 N	24/00		B 61 B	
36	B 01 J	20/34	201	B 01 J	21/02	RECORD RECEIVER HAVING PLURAL			844	G 01 R	27/00	903	B 60 L	13/04
		38/46	202-207	B 01 J	27/14	LEAVES OR A COLORLESS COLOR				G 01 R	33/035	904	B 60 L	13/06
37	B 01 J	20/34	208	B 01 J	27/186	FORMER, METHOD OF USE OR					33/20			13/10
		38/44			27/187	DEVELOPER THEREFOR			845	G 01 R	33/02	905	B 60 L	13/02
38	B 01 J	20/34			27/199	U.S. Class 505				G 01 R	33/035	906-908	B 60 L	13/04
		38/12			27/198	SUPERCONDUCTOR TECHNOLOGY -			846	G 01 R	33/035	909	F 01 B	
39	B 01 J	20/34	209	B 01 J	27/188	APPARATUS, MATERIAL, PROCESS			847	G 01 K	17/00		F 01 D	
		38/40	210	B 01 J	27/192	200-227	B 41 M	5/20	848	G 01 K	7/00		F 01 K	
40	B 01 J	20/34	211	B 01 J	27/185			5/24	849	G 01 J	1/00		F 02 B	
		38/38	212	B 01 J	27/182				850	H 01 H	71/00		F 02 C	
41	B 01 J	20/34	213	B 01 J	27/057					H 02 H	1/00		F 02 K	
		38/30	214	B 01 J	27/02				851	H 02 J	15/00		F 03 B	
42	B 01 J	20/34	215	B 01 J	27/053				852	H 02 P	3/00		F 03 C	
		38/36	216	B 01 J	27/055				853	H 03 B	5/00	910	F 04 B	
43	B 01 J	20/34	217	B 01 J	27/047						7/00		F 04 C	
		38/34	218	B 01 J	27/051						9/00		F 04 D	
44	B 01 J	20/34	219	B 01 J	27/049						11/00	911	F 03 B	1/02
		38/32	220	B 01 J	27/043						13/00			3/12
45	B 01 J	20/34	221	B 01 J	27/045	1	H 01 B	12/00			15/00			3/16
		38/22	222	B 01 J	27/06			39/12			17/00	912,913	B 22 D	
46	B 01 J	20/34	223	B 01 J	27/122	800	C 01 B				19/00	914	B 22 D	27/02
		38/28	224	B 01 J	27/138		C 01 D				21/00	915	B 22 D	19/00
47	B 01 J	20/34	225	B 01 J	27/135		C 01 F				23/00	916	B 22 D	11/00
		38/26	226	B 01 J	27/132		C 01 G				25/00	917	B 23 P	17/04
48	B 01 J	20/34	227	B 01 J	27/128		C 04 B	35/00			27/00		H 01 L	39/24
		38/24	228	B 01 J	27/13		C 07 C				28/00	918	C 22 F	1/00
49	B 01 J	20/34	229	B 01 J	27/125		C 07 D				7/00	919	C 23 C	10/00
		38/20	230	B 01 J	21/08		C 07 F		854	H 03 B	3/00	920	C 23 C	10/04
50	B 01 J	20/34	231	B 01 J	21/12	801	C 03 C		855	H 03 F	1/00	921	C 23 C	10/02
		38/18	232-263	B 01 J	21/14		C 04 B		856	H 04 B	1/00	922	H 01 L	39/24
51	B 01 J	20/34			23/00		C 09 K		857	H 01 L	39/00	923	H 01 L	21/70
		38/16			25/00		C 22 B		858,859	H 03 K	19/195		H 05 K	13/00
52	B 01 J	20/34	300	B 01 J	25/04	802	C 07 C				19/20	924	H 01 F	41/04
		38/14	301	B 01 J	23/00		C 07 D		860-862	H 03 K	17/92	925	H 01 R	43/00
53	B 01 J	20/34			23/32		C 07 F		863,864	H 03 K	3/00	926	B 23 P	17/04
		38/10			23/00	803	C 04 B	35/00			3/38	927	B 23 K	1/00
54	B 01 J	20/34	302-323	B 01 J	23/32		C 09 D	5/23			3/38		H 01 R	43/02
		38/08	324	B 01 J	23/40		H 01 F	1/00			1/00	928	B 21 C	37/00
55	B 01 J	20/34	325	B 01 J	23/42	804-806	C 22 C		865	H 02 M	5/00		H 01 L	39/24
		38/06	326,327	B 01 J	23/58	807	C 22 B		866	H 02 M	7/00	929	B 21 C	23/00
56	B 01 J	20/34			23/60		C 22 C		867	H 01 F	36/00		H 01 L	39/24
		38/02			23/72		C 09 K	19/00	868,870	H 01 J	3/00		B 21 C	1/00
60	B 01 J	29/04	328	B 01 J	23/56	808	C 04 B		871	H 04 B	3/28	930	H 01 L	39/24
		29/04	329	B 01 J	23/44	809	C 01 B		872	H 01 L	39/00		H 01 L	39/24
		29/04	330	B 01 J	23/72	810	C 01 C		873	H 01 L	39/22	931-933	B 03 C	1/00
61,62	B 01 J	29/04	331	B 01 J	23/42		C 01 D		874	H 01 L	39/02			
63-71	B 01 J	29/06	332	B 01 J	23/70		C 01 F		875	H 01 L	39/02			
72	B 01 J	27/16	333	B 01 J	23/00		C 01 G		876,877	H 02 K	55/00			
73-77	B 01 J	21/00	334	B 01 J	23/70	811	C 07 C		878	H 02 K	9/00			
		29/00	335	B 01 J	23/74		C 07 D		879	H 01 F	7/06			
78	B 01 J	29/18	336	B 01 J	23/00		C 07 F				7/22			
79	B 01 J	29/08			23/70		C 07 F		880	H 01 F	7/22			
80-84	B 01 J	21/16	337	B 01 J	23/00	812	B 22 C				17/00			
85-87	B 01 J	29/04	338	B 01 J	23/70	813	H 01 B	12/00	881	H 01 L	43/00	1-4	A 61 K	7/46
100	B 01 J	21/00			23/74	814	C 22 B		882	H 01 H	1/00	5	C 11 B	9/00
		23/00	339	B 01 J	23/42	815	C 04 B		883	H 02 B	1/00			9/02
		25/00			23/44		C 07 B		884	H 01 B	1/00	6-27	A 61 K	7/46
		29/00	340-343	B 01 J	23/02		C 07 C		885	H 01 B	12/16			
101	H 01 M	4/88			23/06	816,817	C 23 C	14/00	886	H 01 B	12/00			
102-134	B 01 J	31/00	344	B 01 J	23/02	818	B 05 D		887	H 01 B	12/02			
		37/00			23/04		C 25 D		888	F 25 B				
		4/02	345,346	B 01 J	23/70	819,820	B 05 D			F 25 D				
		4/60			23/72		C 23 C	16/00	889	C 01 F	17/00			
150-173	B 01 J	31/00	347,348	B 01 J	23/48		C 25 D			F 25 B	21/00			
174	B 01 J	21/18			23/50	821	B 21 F	19/00	890	F 25 B	31/00	1	A 01 M	61/00

U.S. Class 512

PERFUME COMPOSITIONS

U.S. Class 514

DRUG, BIO-AFFECTING AND BODY
TREATING COMPOSITIONS

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 514—Con.														
	A 61 K	31/00	169-171	A 61 K	31/595		A 61 K	31/41	496	A 61 K	31/28	572	A 01 M	37/08
2	A 01 M	37/18		A 01 M	45/00	385,386	A 01 M	43/50		A 01 M	55/06		A 61 K	31/19
	A 61 K	37/00	172-174	A 61 K	31/56		A 61 K	31/415	497	A 61 K	31/305	573	A 01 M	37/08
3,4	A 61 K	37/26	175	A 61 K	31/58	387,388	A 01 M	43/52		A 01 M	55/06			53/00
5	A 61 K	37/00	176	A 61 K	31/585		A 61 K	31/415	498	A 61 K	31/31		A 61 K	31/19
6	A 61 K	37/14	177-182	A 61 K	31/58	389-392	A 01 M	43/50		A 01 M	55/02			31/557
7	A 61 K	37/16	183	A 61 K	31/56		A 61 K	31/415	499,500	A 61 K	31/28	574	A 01 M	37/00
8	A 61 K	37/10		A 01 M	43/00	393-395	A 01 M	43/52		A 01 M	55/02		A 61 K	31/19
9-21	A 61 K	37/00	184-188	A 61 K	31/33		A 61 K	31/415	501,502	A 61 K	31/30	575	A 01 M	37/28
22	A 61 K	31/70		A 01 M	55/02	396-402	A 01 M	43/50		A 01 M	55/02		A 61 K	31/19
23-25	A 01 M	43/04	189	A 61 K	31/555		A 61 K	31/415	503	A 61 K	31/295	576-578	A 01 M	37/09
	A 61 K	31/70		A 01 M	55/04	403-407	A 01 M	43/56		A 01 M	55/02		A 61 K	31/185
26	A 01 M	45/00	190	A 61 K	31/555		A 61 K	31/415	504	A 61 K	31/29	579	A 01 M	33/00
	A 61 K	31/705		A 01 M	55/06	408	A 01 M	43/36		A 01 M	55/02		A 61 K	31/13
27-52	A 01 M	43/04	191	A 61 K	31/555		A 61 K	31/40	505	A 61 K	31/285			31/16
	A 61 K	31/70		A 01 M	43/00	409-414	A 01 M	43/38		A 01 M	55/02	580	A 01 M	47/28
53,54	A 01 M	43/04	192-199	A 61 K	31/33	415	A 61 K	31/40	506	A 61 K	31/28		A 61 K	31/17
	A 61 K	31/715	200-209	A 61 K	31/43		A 01 M	43/38		A 01 M	37/00	581-583	A 01 M	47/34
55	A 01 M	43/04	210	A 61 K	31/545		A 61 K	31/405	507	A 61 K	31/21		A 61 K	31/175
	A 61 K	31/73		A 01 M	43/00	416-421	A 01 M	43/38		A 01 M	37/28	584-588	A 01 M	47/28
56	A 61 K	31/725	211	A 61 K	31/395		A 61 K	31/40	508	A 61 K	31/215		A 61 K	31/17
57-61	A 01 M	43/04		A 01 M	43/00	422-429	A 01 M	43/36		A 01 M	37/52	589-593	A 01 M	47/34
	A 61 K	31/715	212-217	A 61 K	31/55		A 61 K	31/40	509-511	A 61 K	31/215		A 61 K	31/175
62	A 01 M	43/04		A 01 M	43/46	430	A 01 M	43/02		A 01 M	37/00	594-598	A 01 M	47/28
	A 61 K	31/70	218-221	A 61 K	31/55		A 61 K	31/38	512	A 61 K	31/21		A 61 K	31/17
63	A 01 M	55/00		A 01 M	43/62	431	A 01 M	43/02		A 01 M	47/06	599	A 01 M	37/18
	A 61 K	31/695	222 2-228 5	A 61 K	31/55			43/22	513	A 61 K	31/265		A 61 K	31/16
64	A 01 M	55/08	228 8-239 5	A 61 K	31/54	432	A 61 K	31/38		A 01 M	37/00	600	A 01 M	41/02
	A 61 K	31/69	241	A 61 K	31/535		A 01 M	43/18	514-516	A 61 K	31/21		A 61 K	31/16
65-74	A 01 M	65/00		A 01 M	43/66	433-436	A 61 K	31/38		A 01 M	47/40	601-605	A 01 M	41/06
75	A 01 M	57/00		A 61 K	31/53		A 01 M	43/32			47/46		A 61 K	31/18
	A 61 K	31/66	242,243	A 01 M	43/64	437	A 61 K	31/385		A 61 K	47/48	606-609	A 01 M	41/12
76-78	A 01 M	57/26		A 61 K	31/53		A 01 M	43/14		A 61 K	31/21		A 61 K	31/16
	A 61 K	31/685	244-246	A 01 M	43/66	438	A 61 K	31/38	517,518	A 01 M	31/26	610	A 01 M	33/26
79-94	A 01 M	57/00		A 61 K	31/53		A 01 M	43/06		A 61 K	41/02		A 61 K	31/04
	A 61 K	31/675	247	A 01 M	43/58	439-442	A 61 K	31/38		A 61 K	31/255	611	A 01 M	33/26
95-98	A 01 M	57/00		A 61 K	31/50		A 01 M	43/26	519-526	A 61 K	37/34		A 61 K	31/13
	A 61 K	31/67	248-250	A 01 M	43/58		A 61 K	31/385		A 61 K	31/275	612	A 01 M	33/14
99-101	A 01 M	57/00		A 01 M	43/60	443	A 01 M	43/12		A 01 M	37/34		A 61 K	31/13
	A 61 K	31/665	251	A 61 K	31/495		A 61 K	31/38	527	A 61 K	41/02	613-616	A 01 M	37/18
102-108	A 01 M	57/00		A 01 M	31/50	444-448	A 01 M	43/06		A 61 K	31/255		A 61 K	31/16
	A 61 K	31/66	252-254	A 61 K	31/495		A 61 K	31/38	528	A 61 K	31/275	617-624	A 01 M	37/18
109	A 01 M	57/10		A 61 K	31/525	449,450	A 01 M	43/02		A 01 M	37/34		A 61 K	31/165
	A 61 K	31/66		A 01 M	43/58		A 61 K	31/335		A 61 K	31/275	625-630	A 01 M	37/18
110,111	A 01 M	57/36	255	A 61 K	31/60	451	A 01 M	43/16	529	A 01 M	37/00		A 61 K	31/16
	A 61 K	31/66		A 61 K	31/495		A 61 K	31/35		A 61 K	31/215	631-637	A 01 M	37/52
112-136	A 01 M	57/00		A 01 M	31/50	452	A 01 M	43/32	530	A 01 M	37/08		A 61 K	31/155
	A 61 K	31/66	256-260	A 61 K	43/60		A 61 K	31/335		A 61 K	31/215	638	A 01 M	33/02
137,138	A 01 M	57/26		A 61 K	31/495	453-457	A 01 M	43/16	531	A 01 M	53/00		A 61 K	31/13
	A 61 K	31/66	261-266	A 01 M	43/54		A 61 K	31/35		A 61 K	31/215	639	A 01 M	33/26
139	A 01 M	57/34		A 61 K	31/505	458	A 01 M	43/16	532,533	A 01 M	37/10		A 61 K	31/15
	A 61 K	31/66	267-269	A 01 M	43/90		A 61 K	31/355		A 61 K	31/235	640	A 01 M	33/24
140-142	A 01 M	57/18		A 61 K	31/52	459,460	A 01 M	43/16	534-541	A 01 M	37/12		A 61 K	31/15
	A 61 K	31/66	270,271	A 01 M	43/54		A 61 K	31/35			37/44	641	A 01 M	33/02
143-148	A 01 M	57/10		A 61 K	31/505	461	A 01 M	43/08		A 61 K	31/24		A 61 K	31/13
149	A 01 M	51/00	272-275	A 01 M	43/54		A 61 K	31/34	542	A 01 M	37/18	642,643	A 01 M	33/12
	A 61 K	31/655	276	A 61 K	31/515	462	A 01 M	43/12		A 61 K	31/235		A 61 K	31/14
150,151	A 01 M	33/26		A 01 M	43/54		A 61 K	43/26	543-545	A 01 M	37/10	644,645	A 01 M	33/24
	A 61 K	31/655	277	A 61 K	31/505		A 61 K	31/335		A 61 K	31/235		A 61 K	31/13
152-154	A 01 M	37/18		A 61 K	31/51	463	A 01 M	43/26	546	A 01 M	37/02	646-654	A 01 M	33/02
	A 61 K	31/65	278-304	A 61 K	31/495		A 61 K	31/335		A 61 K	31/22		A 61 K	31/135
155	A 01 M	51/00		A 01 M	43/42	464-466	A 01 M	43/30		A 01 M	37/06	655	A 01 M	33/02
	A 61 K	31/63	305,306	A 61 K	31/44		A 61 K	31/36	549	A 61 K	31/225		A 61 K	31/13
156-158	A 01 M	51/00		A 61 K	31/44	467	A 01 M	43/26		A 01 M	37/06	656-658	A 01 M	31/135
	A 61 K	31/655	307-314	A 01 M	43/90		A 61 K	31/335		A 61 K	31/22		A 61 K	33/02
159,160	A 01 M	37/36		A 61 K	31/44	468-474	A 01 M	43/08	550	A 61 K	37/02	659-663	A 01 M	33/02
	A 61 K	31/60	315-331	A 01 M	43/42		A 61 K	31/34		A 61 K	37/12		A 61 K	31/13
161	A 01 M	43/00		A 61 K	31/47	475	A 01 M	43/20	551	A 01 M	37/12		A 61 K	31/13
	A 61 K	31/62	332-358	A 01 M	43/40		A 61 K	43/24			37/44	664	A 01 M	33/26
162	A 01 M	37/36		A 61 K	31/445		A 61 K	31/335		A 61 K	31/22		A 61 K	31/15
	A 61 K	31/615	359	A 01 M	43/40	476-481	A 01 M	47/10	552	A 01 M	37/02	665-670	A 01 M	33/08
163	A 01 M	37/36		A 61 K	31/44		A 61 K	31/27		A 61 K	31/23		A 61 K	31/13
	A 61 K	31/61	360-364	A 01 M	43/64	482	A 01 M	47/28	553	A 01 M	37/00	671-674	A 01 M	33/02
164	A 01 M	37/36		A 61 K	31/41		A 61 K	47/40		A 61 K	31/185		A 61 K	31/13
	A 61 K	31/605	365-371	A 01 M	43/82		A 61 K	31/275	554-556	A 01 M	37/30	675	A 01 M	35/00
165	A 01 M	37/36		A 61 K	31/41	483-491	A 01 M	31/27		A 61 K	31/205		A 61 K	31/12
	A 61 K	31/60	372,373	A 01 M	43/78		A 61 K	47/10	557	A 01 M	37/00	676	A 01 M	33/18
166	A 01 M	37/36		A 61 K	31/425	492	A 61 K	31/27		A 61 K	31/19			33/24
	A 61 K	31/615	374-377	A 01 M	43/80		A 01 M	55/02	558-560	A 01 M	37/00		A 61 K	31/12
167	A 01 M	45/00		A 61 K	31/425	493	A 61 K	31/28		A 61 K	31/20	677-691	A 01 M	35/00
	A 61 K	31/59	378-380	A 01 M	43/76		A 01 M	55/04	561-567	A 01 M	37/12		A 61 K	31/12
168	A 01 M	45/00		A 61 K	31/42	494	A 61 K	31/32			37/44	692	A 01 M	35/04
	A 61 K	45/00	381-384	A 01 M	43/80		A 01 M	55/02		A 61 K	31/195		A 61 K	31/125
	A 61 K	45/00		A 61 K	31/42	495	A 61 K	31/315	568-571	A 01 M	37/10	693	A 01 M	35/00
	A 01 M	45/00		A 01 M	43/64		A 01 M	55/02		A 61 K	31/19		A 61 K	31/11

CONCORDANCE 1990—United States to International Patent Classification

U.S.			IPC			U.S.			IPC			U.S.			IPC			U.S.			IPC								
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation						
U.S. Class 514—Con.						U.S. Class 520						U.S. Class 521						U.S. Class 522						U.S. Class 523					
PART OF THE CLASS 520 SERIES — SYNTHETIC RESINS OR NATURAL RUBBERS						PART OF THE CLASS 520 SERIES — SYNTHETIC RESINS OR NATURAL RUBBERS						PART OF THE CLASS 520 SERIES— SYNTHETIC RESINS OR NATURAL RUBBERS						PART OF THE CLASS 520 SERIES — SYNTHETIC RESINS OR NATURAL RUBBERS						PART OF THE CLASS 520 SERIES — SYNTHETIC RESINS OR NATURAL RUBBERS					
694-697	A 01 M	35/02	727	C 07 C	27/26	25-29	C 08 J	5/20	1-70	C 08 F	2/46	100-103	A 01 L	6/10	109	A 01 K	6/10	111	C 08 L	15/00	303	C 08 J	3/00						
	A 01 K	31/115		C 07 B	63/02	30-33	C 08 F			C 08 G		105-108	C 08 J			C 08 J		112	A 01 M	1/00	305-307	C 08 K							
698-703	A 01 M	35/00		C 07 C	27/02	34-37	C 08 G			C 08 J	3/28		C 08 L			C 08 J		113-115	A 01 F	2/00	309-324	C 08 L							
	A 01 K	31/11	728	C 07 C	27/26		C 08 J	9/16		C 08 K			C 08 J			C 08 J			C 08 J		326,328	C 08 J	3/00						
704	A 01 M	33/18			27/06		C 08 J	9/22		C 08 F	2/46		C 08 J			C 08 J			C 08 J		330-334	C 08 K							
		33/24					C 08 J	9/18		C 08 G			C 08 J			C 08 J			C 08 J			C 08 L							
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705	A 01 M	35/00					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
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706	A 01 M	31/00					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
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707	A 01 M	41/12					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
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708-711	A 01 M	41/10					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
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712,713	A 01 M	31/00					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
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714	A 01 M	31/00					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
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724	A 01 M	31/00					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
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725	A 01 M	31/04					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
	A 01 K	31/07					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
726	A 01 M	31/04					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
	A 01 K	31/065					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
727,728	A 01 M	33/18					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
		33/24					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
	A 01 K	31/045					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
729,730	A 01 M	31/00					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
	A 01 K	31/045					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
731-737	A 01 M	31/08					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
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738,739	A 01 M	31/00					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
	A 01 K	31/045					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
740-742	A 01 M	33/18					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
		33/24					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
	A 01 K	31/04					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
743	A 01 M	29/00					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
	A 01 K	31/02					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
744-746	A 01 M	29/02					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
	A 01 K	31/035					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
747	A 01 M	29/04					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
	A 01 K	31/025					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
748-750	A 01 M	29/12					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
	A 01 K	31/03					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
751-754	A 01 M	29/04					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
		29/10					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
	A 01 K	31/03					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
755,756	A 01 M	29/04					C 08 J	9/28		C 08 J	3/28		C 08 J			C 08 J			C 08 J			C 08 L							
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CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
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	C 08 L	67/00	48	C 08 L	3/02	123-125	C 08 L			C 08 K	5/29		C 08 J	
512	C 08 K	3/04			5/16		C 08 J		198-200	C 08 L		269	C 08 K	5/54
	C 08 L	67/00	49	C 08 J			C 08 K	5/53		C 08 J			C 08 J	
513	C 08 K	3/00		C 08 L	3/04	126	C 08 L			C 08 K	5/16	270-273	C 08 K	5/24
	C 08 L	67/00	50-53	C 08 J			C 08 J	5/53	201,202	C 08 L			C 08 J	
514-516	C 08 K			C 08 L		127	C 08 K			C 08 J		274	C 08 J	
	C 08 L	67/00	54	C 08 J			C 08 L	5/52		C 08 K	5/38		C 08 L	23/00
517	C 08 K	5/02		C 08 L	5/02	128,129	C 08 J		203	C 08 K	5/00		C 08 J	25/00
	C 08 L	67/00	55	C 08 J			C 08 K	5/51			5/38			93/00
518	C 08 K	5/01		C 08 L			C 08 L				5/39	275	C 08 J	
	C 08 L	67/00	56,57	C 08 J		130-135	C 08 K		204-209	C 08 J	5/48		C 08 L	91/06
		91/08		C 08 K	5/15		C 08 L			C 08 K	5/16	276	C 08 J	
		95/00		C 08 L	5/00		C 08 J	5/53		C 08 L			C 08 K	3/20
521	C 08 K	3/34	58	C 08 J		136-139	C 08 L		210	C 08 J		277-279	C 08 L	91/06
	C 08 L	67/00		C 08 K	5/07		C 08 J	5/51		C 08 K	5/20		C 08 J	
522,523	C 08 K			C 08 L			C 08 K				5/36	280,281	C 08 L	91/06
526	C 08 L			C 08 J		140-145	C 08 L				5/48		C 08 J	
527	C 08 K	3/40		C 08 K	95/00		C 08 J						C 08 K	5/10
			60	C 08 J			C 08 K	5/52	211-214	C 08 L				5/38
				C 08 K	3/20		C 08 L			C 08 J			C 08 L	5/48
				C 08 L	95/00	146	C 08 J			C 08 K	5/21	282,283	C 08 J	
U.S. Class 524			61	C 08 J			C 08 K	5/49			5/36		C 08 K	5/36
PART OF THE CLASS 520 SERIES —				C 08 K	95/00	147-153	C 08 L		215	C 08 L	5/48		C 08 L	5/48
SYNTHETIC RESINS OR NATURAL				C 08 J			C 08 K	5/51		C 08 J		284	C 08 K	5/09
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1	C 08 J			C 08 L	91/08	154	C 08 J	5/50		C 08 L			C 08 K	5/12
	C 08 L			C 08 K	95/00		C 08 K			C 08 J	5/21	285-287	C 08 J	
2-8	C 08 K	3/00		C 08 L		155,156	C 08 L			C 08 K	5/36		C 08 K	5/09
	C 08 L			C 08 J	3/04		C 08 K	5/41			5/48			5/10
9	C 08 J		64-68	C 08 J			C 08 L		217-225	C 08 L			C 08 L	5/12
	C 08 K	11/00		C 08 L		157	C 08 J			C 08 J		288	C 08 J	
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10	C 08 J			C 08 L	31/00		C 08 L				5/36			5/10
	C 08 K				33/00	158-165	C 08 J				5/48			5/12
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11	C 08 J		70,71	C 08 J		166	C 08 J			C 08 J		289	C 08 L	
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12-14	C 08 J		72-76	C 08 J			C 08 L		227,228	C 08 L			C 08 K	5/36
	C 08 L			C 08 K	5/13	167	C 08 J		229,230	C 08 J		290	C 08 L	
15,16	C 08 J			C 08 L	97/00		C 08 K	5/41		C 08 K	5/20		C 08 J	
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17	C 08 J			C 08 L			C 08 K	5/43		C 08 K			C 08 L	5/12
	C 08 L	89/00	78	C 08 J			C 08 L			C 08 L	5/16			
18	C 08 L	1/00		C 08 K	11/00	170-173	C 08 J				5/20	291	C 08 J	
		3/00		C 08 L	99/00		C 08 K	5/41		C 08 L			C 08 K	5/09
		5/00	79	C 08 J			C 08 L		232,233	C 08 J				5/10
		89/00		C 08 K	3/04	174-176	C 08 J			C 08 K	5/20		C 08 L	5/12
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19	C 08 K	5/01		C 08 L			C 08 L		234	C 08 J			C 08 L	
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		89/00		C 08 K			C 08 K	5/00			5/16		C 08 K	5/09
20-26	C 08 J			C 08 L				5/56	235	C 08 L				5/10
	C 08 L	89/00	81	C 08 J			C 08 L	5/59		C 08 J			C 08 L	5/12
27	C 08 J			C 08 K	5/00		C 08 L			C 08 K	5/20	294-296	C 08 J	
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28	C 08 J		82	C 08 J			C 08 K	5/57	236	C 08 L				5/12
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29,30	C 08 L			C 08 L		179-182	C 08 J			C 08 K	5/33	297	C 08 J	
31	C 08 J		83	C 08 J			C 08 K	5/00					C 08 L	
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32,33	C 08 J				5/48		C 08 L			C 08 K	5/17		C 08 J	
34	C 08 L			C 08 L		183-185	C 08 J				5/29		C 08 K	5/09
	C 08 L		84,85	C 08 J			C 08 L		238-252	C 08 J			C 08 L	5/12
35	C 08 J			C 08 K	5/45		C 08 K	5/55		C 08 L		300,301	C 08 J	
	C 08 L	1/00		C 08 L		186,187	C 08 J			C 08 L			C 08 K	5/09
36	C 08 J		86-94	C 08 J			C 08 K	5/16	253	C 08 J				5/10
	C 08 L	1/08		C 08 K	5/34		C 08 L			C 08 K	3/20		C 08 L	
		1/22			5/48		C 08 J		254-258	C 08 J		302	C 08 J	
37	C 08 J			C 08 L			C 08 K	5/54		C 08 K	5/17		C 08 K	5/36
	C 08 L	1/10	95-97	C 08 J			C 08 L			C 08 L			C 08 L	91/02
		1/20		C 08 K	5/35	189	C 08 J		259,260	C 08 J		303	C 08 J	
38-40	C 08 J			C 08 L			C 08 K	5/22		C 08 K	5/32		C 08 L	5/36
	C 08 L	1/14	98-106	C 08 J			C 08 L	5/24		C 08 L			C 08 K	
41	C 08 J			C 08 K	5/34		C 08 L		261-265	C 08 J		304,305	C 08 J	
	C 08 L	1/12		C 08 L		190	C 08 J			C 08 K	5/24		C 08 L	5/36
42-44	C 08 J		107	C 08 J			C 08 K	5/23		C 08 L			C 08 K	
	C 08 L	1/26		C 08 K	5/15		C 08 L		266	C 08 J		306	C 08 L	5/09
45,46	C 08 J		108-114	C 08 J		191-194	C 08 J			C 08 K	5/24		C 08 K	5/10
	C 08 L			C 08 K	5/15		C 08 K		267	C 08 J			C 08 L	
47	C 08 J		115-122	C 08 J			C 08 L			C 08 K	5/54	307	C 08 J	
	C 08 L	3/00												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
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308	C 08 K	5/10	389	C 08 L	3/20	461	C 08 J	3/20	512	C 08 J		540	C 08 J	
	C 08 L			C 08 J	5/05	462-470	C 08 L	5/02	513	C 08 K	61/00	541,542	C 08 K	51/00
	C 08 J	5/10	390	C 08 L	5/01	471	C 08 J	5/03	514	C 08 L	67/00		C 08 L	51/00
	C 08 K	5/11		C 08 J	5/02	472,473	C 08 K	5/02	515	C 08 K	77/00	543	C 08 J	61/00
		5/15		C 08 K	5/05	474	C 08 L	5/01	516	C 08 J		544-546	C 08 K	
309	C 08 L		391	C 08 J	5/05	475	C 08 K	5/01	517	C 08 K	39/00	547	C 08 L	27/12
	C 08 J	5/10	392,393	C 08 L	5/36	476,477	C 08 J	5/01	518	C 08 K	37/00		C 08 J	
	C 08 K	5/11	394-400	C 08 J	5/04		C 08 L			C 08 L	45/00	548	C 08 K	41/00
310	C 08 L	91/00		C 08 K	5/09		C 08 J			C 08 L	55/00		C 08 L	43/00
311,312	C 08 J	5/10	401	C 08 L	3/00	478-480	C 08 K	5/01	519,520	C 08 J	27/00	549	C 08 J	37/00
	C 08 K	5/11	402	C 08 J	3/30	481-486	C 08 L	91/08	521	C 08 K		550	C 08 K	37/00
313	C 08 L	91/00	403	C 08 K	3/10	487-489	C 08 J	5/01	522,523	C 08 J	3/00	551,552	C 08 L	49/00
314	C 08 J	5/11	404,405	C 08 J	3/38	490,491	C 08 K	91/08	524	C 08 K	33/00	553,554	C 08 J	27/00
315-318	C 08 K	5/10	406-410	C 08 L	3/10	492,493	C 08 J	5/01	525,526	C 08 L	31/04	555	C 08 K	55/00
319-322	C 08 J	5/09	411,412	C 08 J	3/10	494	C 08 K	3/34	527	C 08 J		556	C 08 L	39/00
323-330	C 08 K	5/13	413	C 08 L	3/16	495,496	C 08 L	3/40	528	C 08 K	27/00	557	C 08 J	31/00
331,332	C 08 L	5/36	414-417	C 08 J	3/10	497	C 08 K	3/04	529	C 08 L	23/00	558	C 08 K	33/00
333	C 08 J	5/13	418-423	C 08 K	3/32	498	C 08 L	3/22	530	C 08 J	51/00	559	C 08 L	29/04
334-352	C 08 K	5/13	424	C 08 J	3/30	499	C 08 K	89/00		C 08 K	37/00	560-562	C 08 J	31/00
353	C 08 L	5/00	425-427	C 08 L	3/00	500	C 08 J	57/02	531	C 08 L	41/00	563,564	C 08 K	33/06
	C 08 K	5/13	428,429	C 08 J	3/26	501	C 08 L	3/02	532	C 08 J	43/00	565	C 08 L	31/02
354-357	C 08 L	5/07	430-433	C 08 K	3/18	502	C 08 J	3/20		C 08 K	51/00	566	C 08 J	55/00
358	C 08 J	5/08	434-437	C 08 L	3/22	503	C 08 K		533	C 08 L	31/00	567-569	C 08 K	9/02
359-363	C 08 K	5/07	438	C 08 J	3/10	504	C 08 L	29/04		C 08 J	33/00	570	C 08 L	55/00
364	C 08 L	3/02	439-441	C 08 K	3/00	505	C 08 J	51/00	534	C 08 K	51/00	571-574	C 08 J	9/00
	C 08 K	5/01	442	C 08 L	3/08	506	C 08 K	53/00	535	C 08 L	43/00	575	C 08 K	25/00
365	C 08 J	5/07	443-456	C 08 J	3/34	507	C 08 L	83/00		C 08 J	51/00	575.5	C 08 L	9/00
	C 08 K	5/02	457	C 08 K	3/02	508	C 08 J	75/00	536	C 08 K	23/00		C 08 J	25/00
366,367	C 08 L	5/06	458-460	C 08 L	3/20	509	C 08 K	73/00	537	C 08 L	51/00		C 08 K	3/04
	C 08 J	5/06		C 08 J	2/16	510	C 08 L	61/04	538	C 08 J	69/00			3/36
369-378	C 08 K	5/06		C 08 K	3/20	511	C 08 J	61/04		C 08 K	51/00	576	C 08 L	3/40
379,380	C 08 L	5/05		C 08 L	9/04		C 08 K	3/20	539	C 08 L	77/00		C 08 J	5/01
381,382	C 08 J	5/05		C 08 J	9/10		C 08 L	61/04		C 08 J			C 08 K	5/02
	C 08 K	5/09		C 08 K	11/02		C 08 J	47/00		C 08 K	51/00	577	C 08 L	7/00
383-388	C 08 L	5/05		C 08 L	13/02		C 08 K	61/04		C 08 L	67/00		C 08 K	
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	C 08 K			C 08 K	21/02									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
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	C 08 K	25/00		C 08 K				5/34		C 08 L	93/00		C 08 K	
578	C 08 J		610	C 08 L	81/00	728	C 08 J		765,766	C 08 J		801	C 08 L	
	C 08 K			C 08 J			C 08 K	5/20		C 08 K	5/05		C 08 F	2/32
	C 08 L	25/02		C 08 K				5/21	767	C 08 J			C 08 J	
579	C 08 J		611	C 08 J		729	C 08 J			C 08 K	3/20		C 08 K	
	C 08 K			C 08 K			C 08 K	5/04			5/05		C 08 L	
	C 08 L	23/18		C 08 L	69/00			5/38		C 08 L		802	C 08 J	
580,581	C 08 J				71/12		C 08 L		768	C 08 J			C 08 K	
	C 08 K		612	C 08 J		730	C 08 J			C 08 K	5/01		C 08 L	
	C 08 L	23/26		C 08 K			C 08 K	5/54			5/02	803	C 08 J	
582	C 08 J			C 08 L				5/56			5/05		C 08 K	
	C 08 K		650	C 08 J			C 08 L			C 08 L			C 08 L	29/04
	C 08 L	23/12		C 08 K	3/00	731	C 08 J		769	C 08 J		804	C 08 F	2/16
583	C 08 J			C 08 L			C 08 K	5/24		C 08 K	5/04		C 08 J	
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584	C 08 J			C 08 L			C 08 K	5/07	770	C 08 J			C 08 J	
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585	C 08 J				3/38		C 08 K		771	C 08 J			C 08 J	
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586	C 08 J		702	C 08 J			C 08 K	3/00			5/07		C 08 K	
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	C 08 L	23/06		C 08 L	1/00	735	C 08 J		772-776	C 08 J		808,809	C 08 J	
587	C 08 J				89/00		C 08 K			C 08 K	5/09		C 08 K	
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	C 08 L	23/06	703	C 08 J				99/00		C 08 L		811	C 08 J	
588	C 08 J			C 08 K	11/00	736-741	C 08 J		777,778	C 08 J			C 08 K	
	C 08 K			C 08 L	99/00		C 08 K	5/13		C 08 K	5/09		C 08 L	37/00
	C 08 L	83/00	704	C 08 J			C 08 L			C 08 L			C 08 L	43/00
589,590	C 08 J			C 08 K		742	C 08 J		779-781	C 08 J		812	C 08 J	
	C 08 K			C 08 L	89/00		C 08 K	3/06		C 08 K	3/08		C 08 K	
	C 08 L	75/00	705	C 08 J				5/36			3/10	813	C 08 L	
591	C 08 J			C 08 K			C 08 L			C 08 L	3/16		C 08 J	
	C 08 K	3/20		C 08 L	95/00	743	C 08 J						C 08 K	
	C 08 L	75/00	706-708	C 08 J			C 08 K	5/41	783-786	C 08 J		814	C 08 L	33/00
592,593	C 08 J			C 08 K	3/02			5/45		C 08 K	3/10		C 08 J	
	C 08 K				3/32		C 08 L				3/38		C 08 K	
	C 08 L				5/49	744	C 08 J			C 08 L		815	C 08 L	41/00
594	C 08 J			C 08 L			C 08 K	5/41	787	C 08 K	3/14		C 08 J	
	C 08 K		709-712	C 08 J			C 08 L				3/28		C 08 K	
	C 08 L	61/00		C 08 K	5/49	745-748	C 08 J			C 08 K	3/30		C 08 L	
595	C 08 J			C 08 L			C 08 K	5/01	788		3/14	816	C 08 J	
	C 08 K		713	C 08 J				5/41			3/18		C 08 K	
	C 08 L			C 08 K	3/32		C 08 L				3/28		C 08 L	33/00
596	C 08 J				5/49	750	C 08 J			C 08 J	3/30			35/00
	C 08 K	3/20		C 08 L			C 08 K	5/36	789	C 08 J		817	C 08 J	
	C 08 L	61/00	714	C 08 J				5/37		C 08 K	3/02		C 08 K	39/00
597	C 08 J			C 08 K	5/16		C 08 L				3/34		C 08 L	41/00
	C 08 K			C 08 L		751	C 08 J				11/00	818	C 08 J	
	C 08 L	61/22		C 08 K			C 08 K	5/15		C 08 L			C 08 K	
598	C 08 J			C 08 L	5/23			5/48	790	C 08 J			C 08 K	
	C 08 K	3/20		C 08 J			C 08 L			C 08 K	3/34		C 08 L	29/00
	C 08 L	61/22	716	C 08 J			C 08 J				9/04	819-825	C 08 J	
599,600	C 08 J			C 08 K			C 08 K	5/01		C 08 L			C 08 K	
	C 08 K			C 08 L	1/00			5/02	791	C 08 J			C 08 L	33/00
	C 08 L	67/00	717	C 08 J			C 08 K	5/04		C 08 K	3/34			35/00
		73/00		C 08 K	5/16			5/15		C 08 L		827	C 08 J	
		77/00		C 08 L			C 08 J	5/48	792,793	C 08 J			C 08 K	
		79/00	718	C 08 J			C 08 K			C 08 K	5/02		C 08 L	
601	C 08 J			C 08 K	5/34	753	C 08 J			C 08 L		828	C 08 J	
	C 08 K			C 08 L			C 08 K	5/15	794	C 08 J			C 08 K	
	C 08 L	67/00	719	C 08 J				5/48		C 08 K	3/20		C 08 L	9/04
602	C 08 J			C 08 K	5/35		C 08 L				5/02	829,831	C 08 J	
	C 08 K				5/36	754	C 08 J			C 08 L			C 08 K	
	C 08 L	77/00		C 08 L			C 08 K	5/15	795	C 08 J			C 08 L	
		79/00	720	C 08 J			C 08 L			C 08 K	5/02	832,833	C 08 J	
603	C 08 J			C 08 K	5/34	755,757	C 08 K	5/06		C 08 L			C 08 K	
	C 08 K			C 08 L		758	C 08 J		796	C 08 J			C 08 L	31/00
	C 08 L		721	C 08 J			C 08 K	5/06		C 08 K	3/02			33/00
604,605	C 08 J			C 08 K	5/13		C 08 L				3/16			35/00
	C 08 K				5/16	759,760	C 08 J				3/28	834,835	C 08 J	
	C 08 L	67/02		C 08 L			C 08 K	5/06		C 08 L			C 08 K	
606	C 08 J			C 08 J				5/09	797	C 08 J			C 08 L	11/02
	C 08 K			C 08 K	5/17		C 08 L	5/10		C 08 K				27/00
	C 08 L	77/00		C 08 L			C 08 J			C 08 J	89/00	836	C 08 J	
		79/00	723	C 08 J		761,762	C 08 K	5/06	798	C 08 J			C 08 K	
607	C 08 J			C 08 K	5/53		C 08 L			C 08 K			C 08 L	9/10
	C 08 K			C 08 L			C 08 J			C 08 L	93/00			23/00
	C 08 L	77/00	724,725	C 08 J		763	C 08 K		799	C 08 J				25/00
608	C 08 J			C 08 K	5/16		C 08 L			C 08 K		837,838	C 08 J	
	C 08 K	3/20		C 08 L			C 08 K	91/00		C 08 L	97/00		C 08 K	

CONCORDANCE 1990—United States to International Patent Classification

U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			U.S. IPC			
Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	Subclass	Subclass	Notation	
U.S. Class 524—Con.						85/00	54.26	C 08 F	16/06	78	C 08 L	33/02	132	C 08 F	8/00
					87/00				116/06			51/00		C 08 L	71/12
839,840	C 08 L	83/00						C 08 G	216/06	79	C 08 L	29/02	133	C 08 F	8/00
	C 08 J							63/48			29/10		C 08 L		
	C 08 K							63/91	80	C 08 L	51/00	133.5	C 08 L	61/04	
841	C 08 L					54.3-54.42	C 08 F	31/02			31/02		C 08 F	91/00	
	C 08 J						C 08 G	51/00	81.82	C 08 L	31/06	134-137	C 08 L	61/00	
	C 08 K					54.44	C 08 F	33/04			33/04		C 08 F	61/06	
842	C 08 L	75/00					C 08 G	51/00	83.84	C 08 L	51/00		C 08 L	61/34	
	C 08 J							9/00			9/00	138	C 08 F	8/00	
	C 08 K					54.45	C 08 G	47/00			47/00		C 08 L	61/00	
	C 08 L	1/00	7-7.4	C 08 G	63/48			51/00			51/00	139	C 08 F	8/00	
		3/00						51/04			51/04		C 08 L	9/00	
		5/00	8	C 08 G	63/46										
		61/04				54.5	C 08 H	9/00	85	C 08 L	33/04			47/00	
		61/00					C 08 F	51/00			51/00			61/00	
843	C 08 L						C 08 G	63/48	85.87	C 08 L	9/00	140	C 08 F	8/00	
844	C 08 J							63/91			47/00			8/30	
	C 08 K					55	C 08 F	8/00			51/00		C 08 L	9/00	
	C 08 L						C 08 G	63/48	88-93	C 08 L	53/00			47/00	
		1/00	10-27	C 08 G	63/48			63/91	94	C 08 L	31/00			61/00	
		3/00				56	C 08 F	16/06			33/04	141	C 08 F	8/00	
		5/00						116/06			53/00		C 08 L	9/00	
		61/00	28	C 08 F	295/00			216/06			53/00			47/00	
845	C 08 J						C 08 G	63/48	95-97	C 08 L	53/00			61/00	
	C 08 K							63/91	98.99	C 08 L	9/00	142	C 08 F	8/00	
	C 08 L	67/00				57.58	C 08 G	63/48			47/00		C 08 L	33/00	
		77/00						63/91			53/00			61/00	
		79/00				59	C 08 L	29/04	100-103	C 08 F	8/00			39/00	
846	C 08 J		29	C 08 G	63/48		C 08 F	8/00		C 08 L	83/00	143	C 08 F	8/00	
	C 08 K	87/00						26/04	104	C 08 F	8/00		C 08 L	31/00	
847	C 08 L						C 08 G	63/48		C 08 L	27/00			33/00	
	C 08 J					60	C 08 F	63/91	105	C 08 F	8/00			35/00	
	C 08 K	3/00						16/06		C 08 L	47/00			61/00	
	C 08 L		30	C 08 G	63/48			116/06			83/00	144	C 08 F	8/00	
	C 08 J							216/06			8/00		C 08 L	27/00	
	C 08 K	5/01					C 08 G	63/48	106	C 08 F	8/00			61/00	
849-851	C 08 L							63/91		C 08 L	83/00	145	C 08 F	8/00	
	C 08 J					61.62	C 08 F	8/00	107,108	C 08 F	8/00		C 08 L	23/00	
	C 08 K						C 08 G	63/48		C 08 L	63/00			61/00	
	C 08 L							63/91	109	C 08 F	8/00	146,147	C 08 F	8/00	
852	C 08 J		31	C 08 G	63/48		C 08 G	63/48		C 08 L	61/04		C 08 L	69/00	
	C 08 K					63		63/91			63/00	148	C 08 F	8/00	
	C 08 L	41/00					C 08 L	51/08			69/00			31/00	
	C 08 J	43/00				54	C 08 G	63/48	110	C 08 F	8/00		C 08 L	31/00	
853,854	C 08 K							63/91		C 08 L	53/00			33/00	
	C 08 L		32	C 08 G	63/48		C 08 L	51/00	111	C 08 F	8/00			35/00	
	C 08 J						C 08 G	63/48		C 08 L	63/00			69/00	
	C 08 K					65		63/91			75/00	149	C 08 F	8/00	
	C 08 L	23/00					C 08 L	51/00	111.5	C 08 G	8/00		C 08 L		
		25/00						63/00		C 08 L	63/00	150	C 08 F	8/00	
856	C 08 J						C 08 G	63/48			91/00		C 08 L	81/00	
	C 08 K		32.1	C 08 G	63/48			63/91	112-115	C 08 F	8/00			85/02	
	C 08 L	9/00					C 08 L	51/00		C 08 L	63/00	151	C 08 F	8/00	
		23/00						75/00	116	C 08 F	8/00		C 08 L	27/00	
		25/00						71/00		C 08 L	43/00			71/12	
857	C 08 J						C 08 G	79/00			63/00	152	C 08 F	8/00	
	C 08 K					67		63/48	117	C 08 F	8/00		C 08 L		
	C 08 L	85/00						63/91		C 08 L	63/00	153-155	C 08 K	5/07	
858	C 08 J						C 08 L	51/00	118	C 08 F	8/00		C 08 L	61/00	
	C 08 K					68	C 08 G	63/48		C 08 L	29/02	156	C 08 K	5/07	
	C 08 L	83/00						63/91			29/10		C 08 L	61/00	
859	C 08 J		34-49	C 08 G	63/48		C 08 L	61/04			63/00			61/18	
	C 08 K						C 08 G	63/48	119	C 08 F	8/00	157	C 08 K	5/07	
	C 08 L	83/02						63/91		C 08 L	33/02		C 08 L	61/00	
860-866	C 08 J					70	C 08 G	63/48			63/00			61/20	
	C 08 K							63/91	120	C 08 F	8/00	158	C 08 K	5/07	
	C 08 L	83/04	54.1	C 08 G	63/48		C 08 L	51/00		C 08 L	63/00		C 08 L	61/00	
868,869	C 08 J					71	C 08 G	63/48	121	C 08 F	8/00			61/20	
	C 08 K							63/91		C 08 L	27/00			81/00	
	C 08 L	83/00					C 08 L	51/04			63/00			83/00	
871-875	C 08 J		54.11	C 08 F	283/00			53/00	122	C 08 F	8/00			85/00	
	C 08 K					72	C 08 G	63/48		C 08 L	9/00	159	C 08 K	5/07	
	C 08 L	75/00						63/91			47/00		C 08 L	61/00	
876	C 08 J						C 08 L	51/04			63/00	160	C 08 K	5/07	
	C 08 K		54.2,54.21	C 08 F		73	C 08 G	63/48	123-128	C 08 F	8/30		C 08 L	41/00	
	C 08 L	61/04						63/91		C 08 L	75/00			43/00	
877	C 08 J						C 08 L	39/04	129	C 08 F	8/00			61/00	
	C 08 K		54.22	C 08 G	18/00			51/00		C 08 L	27/00	161	C 08 K	5/07	
	C 08 L	59/00				74	C 08 G	63/48			75/00		C 08 L	37/00	
		61/00						63/91	130	C 08 F	8/00			39/00	
878,879	C 08 J		54.23	C 08 F			C 08 L	37/00		C 08 L	23/00			61/00	
	C 08 K							51/00			25/00	162	C 08 K	5/07	
	C 08 L					75	C 08 L	51/00			47/00		C 08 L	29/02	
881	C 08 J		54.24	C 08 F		76	C 08 L	27/04			75/00			29/10	
	C 08 K							51/00	131	C 08 F	8/00		C 08 K	61/00	
	C 08 L	81/00				77	C 08 L	51/00		C 08 L	75/00	163		5/07	

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 525—Con.														
			223	C 08 L	35/02	296	C 08 F	265/10			128/00			222/22
			224	C 08 L	33/14			267/10			130/00			226/00
	C 08 L	31/00				297	C 08 F	277/00			134/02	328.3	C 08 F	36/14
		33/00				298	C 08 F	261/02			134/04			135/14
		35/00	225,226	C 08 L	35/02			261/10			224/00			236/14
		61/00	227-229	C 08 L	33/06	299	C 08 F	293/00			228/00	328.4	C 08 F	16/00
164	C 08 K	5/07	230	C 08 L	33/06			295/00			230/00			18/22
	C 08 L	9/00						297/00			234/02			20/34
		23/00	231	C 08 L	29/00	300	C 08 F	261/10			234/04			20/42
		47/00	232	C 08 L	9/00	301	C 08 F	265/02	327.3	C 08 F	16/26			22/22
		61/00	233,234	C 08 L	9/00			267/02			20/32			26/00
165-167	C 08 L	67/02			9/02	301.5	C 08 F	8/00			24/00			116/00
167.5	C 08 L	67/08			47/00			265/02			116/16			120/34
		91/00	235	C 08 L	9/00			267/02			120/32			120/42
168-170	C 08 F	8/00			27/06	302-306	C 08 F	265/04			124/00			122/22
	C 08 L	67/00			27/08			267/06			216/16			126/00
		67/06			47/00	307-311	C 08 F	265/04			220/32			216/00
171	C 08 F	8/00	236,237	C 08 L	9/00	312	C 08 F	261/06	327.4	C 08 F	20/08			220/34
	C 08 L	9/00			47/00			261/12			20/66			222/22
		47/00	238	C 08 L	33/18	313	C 08 F	279/00			22/04			226/00
		67/00			33/20	314	C 08 F	293/00			120/08	328.5	C 08 F	28/00
		67/06	239	C 08 L	27/06			295/00			120/66			128/00
172	C 08 F	8/00			27/08			297/00			122/04			228/00
	C 08 L	67/00	240	C 08 L	23/00	315,316	C 08 F	255/06			220/08	328.6	C 08 F	16/36
173-176	C 08 F	8/00			23/04			279/00			220/66			116/36
	C 08 L	67/02	241	C 08 L	25/02	317	C 08 F	259/04			222/04			216/36
177	C 08 F	8/00	242,243	C 08 F				259/06	327.5	C 08 F	8/34	328.7	C 08 F	16/34
	C 08 L	23/00	244-266	C 08 F	4/00	318	C 08 F	293/00			20/08			16/38
		47/00			251/00			295/00			20/66			116/34
178-181	C 08 F	8/30			253/00	319	C 08 F	255/00			297/00			116/38
	C 08 L	77/00			255/00	320	C 08 F	255/08			120/08			216/34
182	C 08 F	8/30			257/00	321	C 08 F	293/00			120/66	328.8	C 08 F	216/38
	C 08 L	37/00			259/00			295/00			122/04			16/02
		39/00			261/00			297/00			220/08			116/02
		41/00			263/00			299/00			220/66			216/02
		43/00			265/00	322	C 08 F	255/02			222/04	328.9	C 08 F	16/12
		45/00			267/00	323	C 08 F	293/00	327.6	C 08 F	8/30			116/12
		77/00			269/00			295/00			20/08			216/12
183	C 08 F	8/30			271/00			297/00			20/66	329.1	C 08 F	20/44
	C 08 L	31/00			273/00	324	C 08 F	255/02			22/04			20/50
		33/00			275/00	326.1	C 08 F	8/00			120/08			120/44
		35/00			277/00			32/00			120/66			120/50
		77/00			279/00			132/00			122/04	329.2	C 08 F	20/44
184	C 08 F	8/30			281/00			232/00			220/08			20/50
	C 08 L	23/00			283/00	326.2	C 08 F	14/18			220/66			220/44
		47/00			285/00			114/18			222/04			220/50
		77/00			287/00			214/18	327.7	C 08 F	8/14	329.3	C 08 F	36/00
185,186	C 08 L				289/00	326.3	C 08 F	8/00			20/08			236/00
187	C 08 L	71/02			291/00			14/18			20/66	329.4	C 08 F	20/56
188	C 08 L	85/02	267-273	C 08 F	4/00			114/18			22/04			120/56
189	C 08 L	81/00			293/00			214/18			120/08			220/56
190	C 08 L				295/00	326.4	C 08 F	8/18			120/66	329.5	C 08 F	20/00
191-196	C 08 F	8/00			297/00			8/26			122/04			22/00
197,198	C 08 L		274	C 08 F	275/00			14/18			220/08			120/00
199	C 08 L	27/12	275	C 08 F	281/00			114/18			220/66			122/00
200	C 08 L		276	C 08 F	259/00			214/18			222/04			220/00
201	C 08 L	33/02	277	C 08 F	263/00	326.5	C 08 F	30/08	327.8	C 08 F	8/12			222/00
		43/00	278	C 08 F	263/00			130/08			8/42	329.6	C 08 F	22/00
		49/00			265/00			230/08			8/44			122/00
202	C 08 L	39/04			271/00	326.6	C 08 F	30/00			20/08			222/00
203,204	C 08 L	35/00	279	C 08 F	271/02			130/08			20/66	329.7	C 08 F	20/02
205	C 08 L	39/04	280	C 08 F	293/00			230/08			22/04			20/62
		37/00			297/00	326.7	C 08 F	26/06			120/08			120/02
206	C 08 L	41/00	281	C 08 F	271/02			126/06			120/66			120/62
		35/00	282	C 08 F	265/10			226/06			122/04			220/02
207	C 08 L	37/00			267/10	326.8	C 08 F	22/40			220/08			220/62
208	C 08 L	41/00	283	C 08 F	271/02			26/06			220/66	329.8	C 08 F	8/34
		27/10	284	C 08 F	269/00			122/40			222/04			8/40
209	C 08 L	43/00			273/00			126/06	327.9	C 08 F	240/00			20/02
		45/00			275/00			220/40	328.1	C 08 F	38/00			20/62
210,211	C 08 L	33/14	285	C 08 F	267/04			226/06			138/00			120/02
212	C 08 L	41/00	286	C 08 F	269/00	326.9	C 08 F	22/38			238/00			120/62
		27/04			273/00			26/10	328.2	C 08 F	16/00			220/02
213,214	C 08 L	33/14	287,288	C 08 F	275/00			122/38			18/22			220/62
		11/00	289,290	C 08 F	277/00			126/10			20/34	329.9	C 08 F	8/30
215	C 08 L	27/04			279/00			222/38			20/42			20/02
		45/00	291	C 08 F	273/00			226/10			22/22			20/62
216	C 08 L	33/00	292	C 08 F	259/02	327.1	C 08 F	26/06			26/00			120/02
217	C 08 L	35/00	293	C 08 F	265/00			126/06			116/00			120/62
		39/00			267/00			226/06			120/34			220/02
218	C 08 L	33/24			271/00	327.2	C 08 F	24/00			120/42			220/62
219	C 08 L	29/00	294	C 08 F	293/00			28/00			122/22	330.1	C 08 F	8/14
220	C 08 L	29/00			295/00			30/00			126/00			20/02
		31/00			297/00			34/02			216/00			20/62
221	C 08 L	33/02	295	C 08 F	265/08			34/04			220/34			120/02
222	C 08 L	33/04			267/08			124/00			220/42			120/62

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 525—Con.														
		214/08	331.7	C 08 F	8/18	334.1	C 08 F	8/18		C 08 L	71/12	427	C 08 L	61/00
		210/16			10/00			10/00			75/04		C 08 L	77/00
		210/18			110/00			110/00	396	C 08 G	65/48	428	C 08 L	61/20
		8/34	331.8	C 08 F	210/00			210/00		C 08 L	63/00		C 08 L	77/00
330.2	C 08 F	8/12			19/00	337	C 08 C	19/00			71/02	429	C 08 L	61/00
		8/42			8/00		C 08 F	8/00			71/12		C 08 L	61/04
		8/44	331.9	C 08 F	8/42			8/42	397	C 08 G	65/48		C 08 L	77/00
		20/02			19/02	338	C 08 C	19/02		C 08 L	67/00	430	C 08 L	71/00
		20/62			8/02		C 08 F	8/02			71/12		C 08 L	71/02
		120/02	332.1	C 08 F	8/42			8/42			77/00		C 08 L	77/00
		120/62			19/02	339	C 08 C	19/02	398	C 08 L	61/02	431	C 08 L	77/00
		220/02			8/04		C 08 F	8/04	399	C 08 L	61/02		C 08 L	83/00
		220/62			19/24	340,341	C 08 C	19/24			75/04	432	C 08 L	77/00
330.3	C 08 F	20/10			8/40		C 08 F	8/40	400	C 08 L	61/02	433	C 08 L	69/00
		120/10			19/00	342	C 08 C	19/00			67/00		C 08 L	77/00
		220/10	332.2	C 08 C	8/00		C 08 F	8/00			77/00	434	C 08 L	77/00
330.4	C 08 F	8/34		C 08 F	8/42	343-347	C 08 C	19/20	401	C 08 F	283/06	435,436	C 08 L	77/06
		8/40			8/34		C 08 F	8/34	403	C 08 G	65/32	437-444	C 08 F	20/00
		20/10			19/22	348	C 08 C	19/22		C 08 L	71/02	444.5	C 08 F	283/00
		120/10	332.3	C 08 F	19/20	349,350	C 08 C	19/20	404	C 08 F	283/06		C 08 G	63/91
		220/10			8/34		C 08 F	8/34	405-407	C 08 G	65/32		C 08 L	67/08
330.5	C 08 F	8/30			19/22	351,352	C 08 C	19/22	408	C 08 G	65/32	445-449	C 08 F	20/00
		20/10			8/34		C 08 F	8/34		C 08 L	67/00	450,451	C 08 F	
		120/10			19/20	353,354	C 08 C	19/20			71/02	452	C 08 G	18/00
		220/10			8/22		C 08 F	8/22			77/00	453-455	C 08 F	283/04
330.6	C 08 F	8/12	332.4	C 08 F	19/12	355	C 08 C	19/12	409	C 08 G	65/32	456-460	C 08 F	
		8/14			8/18		C 08 F	8/18		C 08 L	71/02	461	C 08 F	283/00
		8/42			19/14	356-358	C 08 C	19/14	410,411	C 08 G	63/91		C 08 F	283/02
		8/44			8/22		C 08 F	8/22			65/32	462-466	C 08 F	283/02
		20/10			19/12	359.1-359.5	C 08 C	19/12		C 08 L	67/00	467	C 08 F	283/02
		120/10			8/18		C 08 F	8/18			71/00		C 08 L	69/00
		220/10			19/18	359.6	C 08 C	19/18	412	C 08 F	283/02		C 08 L	77/00
330.7	C 08 F	14/00			8/18		C 08 F	8/18			283/06		C 08 L	79/00
		14/16	332.5	C 08 C	8/00	360	C 08 F	8/00	413	C 08 G	63/91	468	C 08 F	283/02
		114/16		C 08 F	8/12			8/12			65/32	469,470	C 08 L	69/00
		214/00			8/44			8/44		C 08 L	67/00	471	C 08 F	283/00
		214/16			8/44			8/44			69/00		C 08 G	14/00
330.8	C 08 F	14/00			19/00	361-373	C 08 C	19/00			71/00		C 08 L	16/00
		36/00			19/22			19/22	414	C 08 G	63/91		C 08 L	61/00
		114/00			19/42			19/42			65/32	472,473	C 08 F	283/00
		136/00			8/00		C 08 F	8/00		C 08 L	61/00		C 08 G	4/00
		214/00	332.6,332.7	C 08 C	8/42			8/42			67/00		C 08 G	10/04
		236/00		C 08 F	8/44			8/44			71/00			14/02
330.9	C 08 F	14/00			19/22	374	C 08 C	19/22	415	C 08 G	63/91		C 08 L	16/04
		36/00			8/30		C 08 F	8/30		C 08 L	67/00		C 08 L	61/00
		114/00			8/44			8/44	416	C 08 F	283/00		C 08 L	61/20
		136/00			19/22	375	C 08 C	19/22		C 08 G	61/02	474	C 08 F	283/00
		214/00			8/32		C 08 F	8/32		C 08 L	65/00		C 08 F	283/12
		236/00	332.8	C 08 F	19/22	376,377	C 08 C	19/22	417	C 08 F	283/00		C 08 G	77/00
331.1	C 08 F	8/30			8/30		C 08 F	8/30		C 08 G	77/38		C 08 L	83/00
		14/00	332.9	C 08 F	19/22	378	C 08 C	19/22	418	C 08 F	283/00		C 08 L	83/00
		36/00			8/30		C 08 F	8/30		C 08 G	63/91	475	C 08 F	283/00
		114/00	333.1	C 08 F	8/44			8/44		C 08 L	67/00		C 08 F	283/12
		136/00			19/22	379-382	C 08 C	19/22	419	C 08 F	283/00		C 08 G	77/00
		214/00			8/32		C 08 F	8/32		C 08 G	63/91		C 08 L	77/38
		236/00			19/00	383	C 08 C	19/00		C 08 L	69/48		C 08 L	83/00
331.2	C 08 F	8/18			8/12		C 08 F	8/12			67/00		C 08 L	85/00
		14/00	333.2	C 08 F	19/00	384	C 08 C	19/00			77/00	476	C 08 F	283/00
		36/00			8/00		C 08 F	8/00	420	C 08 F	283/04		C 08 G	283/12
		114/00			8/14			8/14		C 08 G	69/48		C 08 G	77/00
		136/00	333.3	C 08 F	19/00		C 08 C	19/00		C 08 L	77/00		C 08 L	77/38
		214/00			8/00	385	C 08 C	19/00	420.5	C 08 F	283/04		C 08 L	63/00
		236/00	333.4	C 08 F	8/28		C 08 F	8/28		C 08 G	69/44		C 08 L	83/00
331.3	C 08 F	8/30			19/00	386	C 08 C	19/00		C 08 L	77/00	477,478	C 08 F	283/00
		14/00			8/00		C 08 F	8/00	421	C 08 F	283/04		C 08 F	283/12
		14/02			8/14			8/14		C 08 G	69/48		C 08 G	77/00
		36/00	333.5	C 08 F	8/46			8/46	422	C 08 F	283/04		C 08 L	77/38
		114/00			19/04	387	C 08 C	19/04		C 08 G	69/48	479	C 08 F	283/00
		136/00			8/06		C 08 F	8/06			73/10		C 08 F	283/12
		214/00			8/08	388	C 08 C	19/04		C 08 L	77/00	480	C 08 F	283/00
		236/00	333.6	C 08 F	8/06		C 08 F	8/06			79/08		C 08 G	8/28
331.4	C 08 F	114/02			283/00	389	C 08 C	283/00	423	C 08 F	283/04		C 08 L	61/00
		214/02			79/00		C 08 G	79/00		C 08 G	69/48		C 08 L	61/06
		14/06			85/00		C 08 L	85/00		C 08 L	63/00	481-486	C 08 F	283/00
331.5	C 08 F	14/08	333.7	C 08 F	65/48	390	C 08 C	65/48			77/00		C 08 G	8/28
		114/06			71/12		C 08 L	71/12	424	C 08 F	283/04		C 08 L	61/00
		114/08			283/08	391,392	C 08 C	283/08		C 08 G	69/48		C 08 F	61/06
		214/06	333.8	C 08 F	65/48	393	C 08 C	65/48		C 08 L	75/00		C 08 G	63/00
		214/08			71/12		C 08 L	71/12			77/00	487	C 08 F	283/00
331.6	C 08 F	8/18			83/00	394	C 08 C	83/00	425	C 08 F	283/04		C 08 G	8/28
		14/06			65/48		C 08 F	65/48		C 08 G	69/48		C 08 L	61/00
		14/08	333.9	C 08 F	69/00		C 08 L	69/00		C 08 L	67/00		C 08 F	61/06
		114/06			71/12	395	C 08 C	71/12	426	C 08 F	283/04		C 08 L	63/00
		114/08			65/48			65/48						83/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 525—Con.			504	C 08 G	8/28	534	C 08 F	283/00	173	C 08 F	4/46			20/22
488	C 08 F	283/00		C 08 L	61/00		C 08 G		174,175	C 08 F	4/56			118/00
	C 08 G	8/28			61/06	535-537	C 08 F	283/00	176	C 08 F	4/44			120/22
	C 08 L	61/00	505	C 08 F	283/00		C 08 G	75/00	177	C 08 F	4/52			218/00
		61/06		C 08 G	8/28		C 08 L	81/00	178	C 08 F	4/52			220/22
		63/00		C 08 L	61/00	538	C 08 F	283/00			4/58	246	C 08 F	18/20
		67/00			81/00		C 08 G	79/02			4/46	247	C 08 F	16/24
		77/00			283/00	539,540	C 08 L	85/02	179-182	C 08 F	4/44			116/12
489	C 08 F	283/00		C 08 G	8/28		C 08 F	283/00	183,184	C 08 F	4/52			216/12
	C 08 G	8/28		C 08 L	61/00		C 08 G		185-187	C 08 F	4/52			226/00
	C 08 L	61/00			61/06				188	C 08 F	4/44	248	C 08 F	26/00
		61/06			85/04				189	C 08 F	4/52			126/00
490	C 08 F	283/00	507	C 08 F	283/00				190,191	C 08 F	4/44			226/00
	C 08 G	8/28		C 08 G	8/28	U.S. Class 526			192	C 08 F	4/06	249	C 08 F	12/20
	C 08 L	61/00		C 08 L	61/00	PART OF THE CLASS 520 SERIES --			193	C 08 F	2/00			14/18
		61/06			61/06	SYNTHETIC RESINS OR NATURAL					4/00			114/18
		61/34	508	C 08 F	283/00	RUBBERS			194	E 08 F	2/00			214/18
491	C 08 F	283/00		C 08 G	8/28	59-72	C 08 F	2/00			4/16	250	C 08 F	14/18
	C 08 G	8/28		C 08 L	61/00		C 08 G	85/00	195	C 08 F	4/12			214/18
	C 08 L	61/00	509	C 08 F	283/00	73-81	C 08 F	2/00	196-198	C 08 F	4/52	251	C 08 F	12/18
		61/06		C 08 G	8/28	82-85	C 08 F	2/38	199-203	C 08 F	2/00			112/00
492	C 08 F	283/00		C 08 L	61/00	86-88	C 08 F	2/00	204,205	C 08 F	2/00			212/00
	C 08 G	8/28			61/20	89	C 08 F	2/00			4/00	252	C 08 F	36/16
	C 08 L	61/00			61/34			4/00	206-216	C 08 F	2/00			136/16
		61/06	510-512	C 08 F	283/00	90	C 08 F	4/06	217	C 08 F	2/00			236/16
		61/18		C 08 G	8/28			4/40			4/00	253-255	C 08 F	14/18
		61/34		C 08 L	61/00	91	C 08 F	4/42	218,219	C 08 F	4/04			114/18
493	C 08 F	283/00			61/20			4/42	219.1-219.3	C 08 F	2/00			214/18
	C 08 G	8/28			61/34	92	C 08 F	4/42			2/04	256	C 08 F	28/06
	C 08 L	61/00			63/00	93,94	C 08 F	4/06			2/06			34/04
		61/02	513	C 08 F	283/00			4/42	219.4	C 08 F	2/06			128/06
		61/06		C 08 G	8/28			4/40			4/04			134/04
494	C 08 F	283/00		C 08 L	61/00			4/42	219.5	C 08 F	2/16			228/06
	C 08 G	8/28			61/20	95,96	C 08 F	4/06			2/18	257	C 08 F	28/06
	C 08 L	61/00			63/00			4/42			2/22	258	C 08 F	26/06
		61/06			81/00	97	C 08 F	4/44	219.6	C 08 F	4/04			126/06
495	C 08 F	283/00	514	C 08 F	283/00	98	C 08 F	4/06	220	C 08 F	2/00	259	C 08 F	26/06
	C 08 G	8/28		C 08 G	8/28			4/44			4/00			32/08
	C 08 L	61/00		C 08 L	61/00	99,100	C 08 F	4/06	221	C 08 F	4/06			126/06
		61/06	515-517	C 08 F	283/00	101,102	C 08 F	4/06	222	C 08 F	2/00			132/08
		61/20		C 08 G	8/28			4/44			4/00			226/06
		61/34		C 08 L	61/00	103	C 08 F	4/26	223	C 08 F	2/00			232/08
496	C 08 F	283/00			61/20	104	C 08 F	4/24			4/00	260,261	C 08 F	26/06
	C 08 G	8/28			61/34	105	C 08 F	4/62			4/32			126/06
	C 08 L	61/00	517.5	C 08 G	12/40	106	C 08 F	4/24	224,225	C 08 F	2/00			226/06
		61/06		C 08 L	61/20	107	C 08 F	4/18			4/00	262	C 08 F	22/40
		61/20			91/00	108,109	C 08 F	4/72	226	C 08 F	4/12			26/06
		61/34	518	C 08 F	283/00	110,111	C 08 F	4/44	227	C 08 F	4/28			122/40
		71/00		C 08 G	8/30			4/72	228	C 08 F	4/38			126/06
497	C 08 F	283/00	519	C 08 G	8/28	112	C 08 F	4/72	229,229.5	C 08 F	4/30			222/40
	C 08 G	8/28		C 08 L	61/00	113	C 08 F	4/06	230-232	C 08 F	4/32			226/06
	C 08 L	61/00			61/20			4/72	232.1	C 08 F	4/34	263	C 08 F	26/08
		61/06			61/34	114	C 08 F	4/44	232.3	C 08 F	4/36			26/10
		61/26	520	C 08 G	8/28	115	C 08 F	4/70	232.5	C 08 F	4/32			26/12
		61/34		C 08 L	61/00	116	C 08 F	4/68	233,234	C 08 F	2/00			126/08
498	C 08 F	283/00			61/20	117	C 08 F	4/70			4/00			126/10
	C 08 G	8/28			61/34	118	C 08 F	4/06	235	C 08 F	4/00			126/12
	C 08 L	61/00			75/00			4/44	236	C 08 F	2/00			226/08
		61/06	521	C 08 F	283/00			4/72			4/00			226/10
		61/24		C 08 G	6/02	119	C 08 F	4/44	237,238	C 08 F	4/00			226/12
		61/34		C 08 L	61/02	120	C 08 F	4/06			4/14	264	C 08 F	26/08
499	C 08 F	283/00	522	C 08 F	283/00	121,122	C 08 F	4/44	238.1	C 08 F	1/00			26/10
	C 08 G	8/28		C 08 G	6/02	123	C 08 F	4/06	238.2-238.23	C 08 F		265	C 08 F	26/06
	C 08 L	61/00		C 08 L	61/02	124,125	C 08 F	4/44	238.3	C 08 F				126/06
		61/06			63/00	126	C 08 F	4/06			1/00			226/06
		61/20	523-527	C 08 F	283/00			4/42	239	C 08 F	30/06	266	C 08 F	24/00
		61/34		C 08 G	59/14	127-129	C 08 F	4/44			130/06			34/02
		81/00		C 08 L	63/00	130,131	C 08 F	4/06			230/06			124/00
500	C 08 F	283/00	528	C 08 F	283/00	132-134	C 08 F	4/44	240,241	C 08 F	30/04			134/02
	C 08 G	8/28			283/10	135	C 08 F	4/06			130/04			224/00
	C 08 L	61/00		C 08 G	59/14	136-144	C 08 F	4/44			230/04			234/02
		61/06		C 08 L	63/00	145-147	C 08 F	4/06			12/20	267	C 08 F	244/00
		61/20			75/00	148-153	C 08 F	4/44	242	E 08 F	14/18	268-270	C 08 F	24/00
		61/34	529,530	C 08 F	283/00	154	C 08 F	4/06			114/18			34/02
501	C 08 F	283/00			283/10	155-157	C 08 F	4/44			214/18			124/00
	C 08 G	8/28	531	C 08 F	283/00	158	C 08 F	4/64	243	C 08 F	12/30			134/02
	C 08 L	61/00			283/10	159-168	C 08 F	4/44			14/18			224/00
		61/06		C 08 G	59/16	169	C 08 F	4/64			114/18			234/02
501.5	C 08 G	8/32	532	C 08 F	283/00	169.1	C 08 F	4/70			214/18	271	C 08 F	34/02
	C 08 L	61/00			283/10	169.2	C 08 F	4/68	244	C 08 F	12/22			122/04
		91/00		C 08 G	59/14	169.3	C 08 F	4/60			14/18			222/04
502	C 08 F	283/00	533	C 08 G	59/14	170	C 08 F	4/72			114/18	272	C 08 F	222/04
	C 08 G	8/30			59/16	171	C 08 F	4/80			214/18	273	C 08 F	24/00
503	C 08 G	8/28		C 08 L	63/00	172	C 08 F	4/06	245	C 08 F	18/20			124/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 526—Con.														
		224/00			114/16			122/38			220/46			220/68
		224/00			214/04			220/60	318	C 08 F	20/10	328	C 08 F	20/10
274-278	C 08 F	30/02	297	C 08 F	214/16			220/70			20/68			120/10
		130/02			20/42	307.1	C 08 F	222/38			22/10	328.5,329	C 08 F	220/10
		230/02			20/70			20/54			120/10	329.1-329.6	C 08 F	220/12
279	C 08 F	30/08			22/30			20/70			120/68			220/18
		130/08			120/42			26/02			122/10	329.7	C 08 F	120/18
		230/08			120/70			120/54			220/10	330,331	C 08 F	218/02
280,281	C 08 F	10/00			122/30			120/70			220/68	332,333	C 08 F	16/12
		32/08			220/42			126/02	318.1	C 08 F	222/10			116/12
		36/00			220/70			136/00			20/00			216/12
		132/08	298	C 08 F	222/30			136/02			22/00	334	C 08 F	16/16
		136/00			20/42			136/22			36/02			16/32
		232/08			20/52			220/54			120/00			116/16
282	C 08 F	236/00			20/70			220/70			122/00			216/16
		10/00			22/30			226/02			220/00	335	C 08 F	36/00
		36/00			22/36			236/00			222/00			136/00
		136/00			120/42			236/02	318.2	C 08 F	236/02	336	C 08 F	12/34
		236/00			120/52			236/22			22/02			36/20
283	C 08 F	236/00			120/70	307.2,307.3	C 08 F	226/02			122/02			112/34
		36/00			122/30			236/02			222/02			136/20
		136/00			122/36			236/22	318.25	C 08 F	222/02			212/34
		236/00			220/42	307.4	C 08 F	212/00	318.3	C 08 F	20/04			236/20
284	C 08 F	10/00			220/52			216/00			20/64	337-340	C 08 F	236/00
		36/00			220/70			218/00			120/04	340.1	C 08 F	136/00
		136/00			222/30			220/54			120/64	340.2	C 08 F	136/08
		236/00			222/36			220/70			220/04	340.3	C 08 F	136/02
285	C 08 F	38/00	299	C 08 F	12/26	307.5	C 08 F	212/00			220/64	340.4	C 08 F	136/06
		138/00			20/42			216/02	318.4	C 08 F	20/10	341	C 08 F	20/44
		238/00			20/70			216/12			220/10			120/44
286,287	C 08 F	12/30			22/30	307.6	C 08 F	226/02	318.41	C 08 F	20/10	342	C 08 F	220/44
		28/02			120/42			236/00			20/26	343	C 08 F	14/08
		128/02			120/70			236/02			220/10			114/08
		228/02			122/30			236/22	318.42	C 08 F	20/26			214/08
288	C 08 F	12/30			220/42	307.7	C 08 F	218/00			220/26	344	C 08 F	14/06
		26/02			220/70			218/02			220/26	344.1-344.3	C 08 F	114/06
		28/02			222/30			218/14	318.43	C 08 F	20/20	345	C 08 F	214/06
		126/02	300	C 08 F	20/42	307.8	C 08 F	212/00			22/14	346	C 08 F	12/02
		128/02			20/70			212/02			220/20			112/02
		226/02			22/30			212/34			222/14	347	C 08 F	212/06
289	C 08 F	228/02			120/42	308,309	C 08 F	226/02	318.44,318.45	C 08 F	20/10	347.1	C 08 F	112/06
		12/30			120/70			32/00			220/10			112/12
		28/02			122/30			132/00	318.5,318.6	C 08 F	20/06	347.2	C 08 F	112/08
		128/02			220/42			232/00			220/06	348	C 08 F	210/00
		228/02			220/70	310	C 08 F	12/28	319	C 08 F	118/02	348.1	C 08 F	10/00
290	C 08 F	10/00			222/30			20/52	320	C 08 F	18/00			110/00
		12/00	301,302	C 08 F	26/02			20/70			20/26			210/00
		36/00			126/02			22/40			20/68	348.2-348.5	C 08 F	10/14
		110/00			226/02			120/52			22/10			110/14
		120/00	303.1	C 08 F	20/54			120/70			118/00			210/14
		136/00			20/56			122/40			120/26	348.6	C 08 F	10/04
		210/00			20/70			220/52			120/68			10/14
		220/00			22/38			220/70			122/10			110/04
		236/00			26/00			222/40			218/00			110/14
291	C 08 H	5/00			120/54	311	C 08 F	20/34			220/26			210/04
	C 08 F	14/14			120/56			20/68			220/68			210/14
		14/16			120/70			22/32	321	C 08 F	22/10	348.7	C 08 F	10/00
		114/14			220/54			26/00			122/10			110/10
		114/16			220/70			120/34			222/10			210/10
		214/14			222/38			120/68	322	C 08 F	18/16	348.8	C 08 F	210/02
		214/16			226/02			122/32			22/26			210/06
292.1-292.9	C 08 F	18/00			236/00			126/00			118/16	351	C 08 F	110/06
		20/00	304	C 08 F	20/58			220/34			122/26	352,352.2	C 08 F	110/02
292.95	C 08 F	22/00			20/70			220/68			218/16			
		118/00			22/38			222/32			222/26			
		120/00			120/58	312	C 08 F	226/00	323	C 08 F	22/26			
		122/00			120/70			26/00			122/26			
		218/00			122/38			126/00			222/26			
		220/00			220/58			226/00	323.1,323.2	C 08 F	20/10			
		222/00			220/70	313	C 08 F	12/24			120/10			
293	C 08 F	12/16			222/38			16/12			220/10			
294	C 08 F	14/14	305,306	C 08 F	20/54			112/14	324,325	C 08 F	222/10			
		14/16			20/60			116/12	326	C 08 F	18/16	100	C 08 G	1/06
		34/00			20/70			212/14			20/10			1/06
		114/14			22/38			216/12			20/68	101,102	C 08 H	5/04
		114/16			120/54	314	C 08 F	18/24			118/16	103,105	C 08 H	
		134/00			120/70	315	C 08 F	16/34			120/10	200-204	C 08 H	1/02
		214/14			122/38			116/34			120/68	205,206	C 08 H	
		214/16			220/54			216/34			218/16	207	C 08 H	
		234/00			220/70	316	C 08 F	16/36			220/10	300	C 08 G	
295	C 08 F	34/00			222/38			116/36			220/68	301	C 08 G	18/00
		134/00	307	C 08 F	20/60			216/36	327	C 08 F	20/40	302	C 08 G	18/48
		234/00			20/70			20/68			20/68	303	C 08 G	
296	C 08 F	14/04			22/38	317.1	C 08 F	20/44			120/40	304,305	C 08 G	16/00
		14/16			120/60			120/06			120/68	306,309	C 08 G	
		114/04			120/70			220/06			220/40	310	C 08 G	79/00

U.S. Class 527

PART OF THE CLASS 520 SERIES --
SYNTHETIC RESINS OR NATURAL
RUBBERS

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 527—Con.														
311	C 08 G	63/00	67	C 08 G	18/38	151	C 08 G	14/04	245.3	C 08 G	14/02	321	C 08 G	73/10
312-315	C 08 G		68	C 08 G	18/60			8/04	245.5	C 08 G	16/00			69/08
400	C 08 G				18/70			8/14			4/00			73/10
	C 08 H	5/02	69	C 08 G	18/32	152-154	C 08 G	14/04			12/40			75/00
401	C 08 G	18/00	70-72	C 08 G	18/60			8/04	246	C 08 L	91/00	322	C 08 G	79/02
	C 08 G	59/00			18/71	155	C 08 G	14/04			2/00	323-326	C 08 G	73/10
	C 08 H	5/02	73	C 08 G	18/70			8/20			2/26	327	C 08 G	69/14
403	C 08 G				18/28			8/22			6/00	328	C 08 G	69/00
	C 08 H	5/02	74	C 08 G	18/77	156-158	C 08 G	14/04			10/02	329 1	C 08 G	69/10
500	C 08 G				18/28			8/04			12/02	330,331	C 08 G	69/36
	C 08 H	5/00	74.5	C 08 G	18/70	158.5	C 08 G	14/04			14/02	332,335	C 08 G	69/08
501	C 08 G	18/00			18/00			8/04			16/02	336	C 08 G	69/26
	C 08 G	59/00	75	C 08 L	91/00			8/32	247	C 08 G	10/02	337	C 08 G	69/28
	C 08 H	5/00			18/10			14/04			16/02			69/42
503	C 08 G		76	C 08 G	18/67	159-161	C 08 G	8/04	248	C 08 G	2/00			75/00
	C 08 G				18/30			14/04			12/02	338,339	C 08 G	79/02
600	C 09 F	1/00			18/38	162	C 08 G	8/04			75/00	339 3	C 08 G	69/26
601	C 08 G	59/00			18/48			14/06	249	C 08 G	12/26			69/26
	C 09 F	1/00	77	C 08 G	18/52	163	C 08 G	8/04			65/02	339.5	C 08 G	69/34
602,603	C 08 G	8/34			18/32			14/06	250	C 08 G	2/22			69/00
	C 09 F	1/00			18/38			14/10			59/00	340-344	C 08 G	69/26
604	C 08 G	63/00			18/48	164	C 08 G	8/04	251	C 08 G	16/02	345	C 08 G	69/26
	C 09 F	1/00	78,79	C 08 G	18/52			14/06			75/00			69/34
					18/38			14/08	252	C 08 G	12/28	346-350	C 08 G	69/26
					18/48	165	C 08 G	8/04	253	C 08 G	2/00	351	C 08 G	69/28
					18/52	166	C 08 G	79/00			12/02	352	C 08 G	69/42
			80,81	C 08 G	18/34	167-169	C 08 G	79/02			75/00			75/00
					18/42	170	C 08 G	73/00	254	C 08 G	12/30			79/02
					18/68	171-175	C 08 G	75/00	255	C 08 G	12/30	353	C 08 G	69/26
			82	C 08 G	18/38	176-191	C 08 G	63/00			75/00	354	C 08 G	63/08
					18/42	192	C 08 G	63/02			12/34	355-358	C 08 G	63/82
					18/68			63/54	256,257	C 08 G	12/30	359	C 08 G	63/08
					18/30	193-195	C 08 G	63/02	258	C 08 G	12/12	360	C 08 G	63/68
			83	C 08 G	18/42			63/18	259-264	C 08 G	12/20			75/00
1	C 08 G	83/00			18/68	196-201	C 08 G	64/00	265	C 08 G	12/24	361	C 08 G	63/06
2	C 08 G	75/00			18/34	202	C 08 G	63/68			16/02			63/66
3	C 08 G	2/00	84	C 08 G	18/42	203	C 08 G	69/00			75/00			65/02
4	C 08 G	79/08			18/68	204	C 08 G	64/00	266	C 08 G	12/04	362	C 08 G	63/44
5	C 08 G	77/56			18/32	205	C 08 G	63/78	267	C 08 G	16/02	363	C 08 G	63/44
6-8	C 08 G	79/08	85	C 08 G	18/40			63/87			69/38			73/00
9	C 08 G	79/00			18/30			63/06	268	C 08 G	12/14	364	C 08 G	63/68
10	C 08 G	77/00			18/40	206	C 08 G	65/38	269	C 08 G	12/06			75/00
12-24	C 08 G	77/06	86	C 08 G	59/00	207,208	C 08 G	63/06	270	C 08 G	2/00	365	C 08 G	59/00
25,26	C 08 G	77/04	87	C 08 G	65/08	209	C 08 G	63/06			6/00			63/00
26.5	C 08 G	77/00			65/14			63/12	271	C 08 G	63/00	366	C 08 G	63/00
		77/04			59/68	210	C 08 G	65/38			67/00	367-369	C 08 G	73/00
	C 08 L	91/00	88-95	C 08 G	65/10	211	C 08 G	65/40			69/00	370-372	C 08 G	64/00
27-29	C 08 G	77/04			59/00	212-219	C 08 G	63/02	272	C 08 G	63/02	373	C 08 G	75/00
30	C 08 G	77/22	96-100	C 08 G	65/08	220-225	C 08 G	2/00	274-286	C 08 G	63/78	374-376	C 08 G	75/04
31	C 08 G	77/12			65/14			4/00			63/82	377-379	C 08 G	75/00
32	C 08 G	77/20			59/00			6/00			63/87			75/32
33,34	C 08 G	77/04	101	C 08 G	65/14			10/00	287	C 08 G	63/68	380,381	C 08 G	75/00
35	C 08 G	77/60			59/00			12/00			79/02	382-386	C 08 G	75/20
36	C 08 G	77/24	102-104	C 08 G	65/08			14/00	288	C 08 G	63/44	387-389	C 08 G	75/14
37	C 08 G	77/04			65/14			16/00			69/00	390	C 08 G	75/00
38	C 08 G	77/26			65/08	226	C 08 G	2/00			69/44			75/26
39-41	C 08 G	77/00	105	C 08 G	59/40			4/00	289	C 08 G	69/44			75/28
42	C 08 G	77/24	106-109	C 08 G	65/00			6/00			73/16	391	C 08 G	75/18
43	C 08 G	77/00			59/40			10/00	290	C 08 G	63/68			75/20
44	C 08 G	18/00	110,111	C 08 G	59/62			12/00			69/00			75/24
45	C 08 G	18/81			65/00			16/00			69/44			75/30
48-50	C 08 G	18/08			59/42			75/00			75/00	392	C 08 G	67/02
		18/16	111.3	C 08 G	59/16	227	C 08 G	2/18	291	C 08 G	69/44	393	C 08 G	65/02
51	C 08 G	18/08	111.5	C 08 G	91/00			6/02	292	C 08 G	69/08			67/00
		18/22			59/40	228,229	C 08 G	12/00			69/44	394	C 08 G	79/08
52	C 08 G	18/08	112-115	C 08 G	59/42	230	C 08 G	2/00	293-295	C 08 G	63/68	395	C 08 G	79/00
		18/16			65/00			4/00			75/00	396,397	C 08 G	61/00
		18/18	116-118	C 08 G	59/40			6/00	295.3	C 08 G	63/54	398-400	C 08 G	79/02
53	C 08 G	18/08			65/00			10/00	295.5	C 08 G	63/48	401	C 08 G	73/24
		18/18			59/44			12/00	296	C 08 G	63/12	402	C 08 G	65/22
54	C 08 G	18/08	119-124	C 08 G	59/50			14/00	297	C 08 G	63/42	403-407	C 08 G	59/00
		18/20			65/00			16/00	298	C 08 G	63/02			65/00
55-57	C 08 G	18/08	125,126	C 08 G	8/02	232-243	C 08 G	4/00			63/18	408-416	C 08 G	59/68
		18/22			14/00			6/00	299	C 08 G	63/68			65/04
58	C 08 G	18/08			8/26			10/02	300,301	C 08 G	63/66	417	C 08 G	59/00
		18/24	127	C 08 G	8/02			12/02	302	C 08 G	63/16			65/00
59	C 08 G	18/10	128	C 08 G	8/04			14/02	303	C 08 G	63/52	418	C 08 G	59/00
60	C 08 G	18/10	129-147	C 08 G	14/02			16/02	304	C 08 G	63/54	419-421	C 08 G	65/04
		18/30			8/04	244	C 08 G	10/02	305	C 08 G	63/18	422	C 08 G	73/00
61	C 08 G	18/10	148	C 08 G	8/18			79/02	306	C 08 G	63/52	423,424	C 08 G	73/06
		18/32			14/04	245	C 08 G	2/00	307,308	C 08 G	63/00	425	C 08 G	65/34
62-64	C 08 G	18/10			8/04			4/00	308.1-309.1	C 08 G	63/00	480-503	C 08 F	6/00
		18/32	149	C 08 G	8/16			6/00			63/16			
		18/60			14/04			10/02			63/18			3/00
65,66	C 08 G	18/10	150	C 08 G	8/04			12/02	310-320	C 08 G	69/08	950	C 08 F	

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 528—Con.														
	C 08 G		357	C 09 H	17/00	395-397	C 07 K	17/00	574	C 09 B	44/00			33/00
				A 61 K	1/00			3/00	575-577	C 07 C	245/00			35/00
				C 07 K	37/12			13/00			321/00			37/00
					3/00			15/00			323/00	661-663	C 09 B	45/38
					13/00	398	A 61 K	37/38		C 09 B	381/00	664-688	C 09 B	29/00
					15/00			3/00			27/00			31/00
					17/00		C 07 K	13/00			31/00			33/00
				C 08 H	1/06			15/00			33/00			35/00
			358	A 61 K	37/08			17/00			35/00			37/00
					37/10	399	A 61 K	37/24	578	C 09 B	27/00	689-691	C 09 B	56/04
			359	C 07 K	3/00			37/36	579	C 09 B	41/00	692-694	C 09 B	45/00
					13/00		C 07 K	3/00	580	C 09 B	27/00	695	C 09 B	56/02
					15/00			13/00	581-584	C 09 B	41/00	696-715	C 09 B	45/00
				C 09 H	1/04			15/00	585-587	C 09 B	27/00	716-719	C 09 B	45/24
				A 23 J	1/20			17/00	588-590	C 09 B	43/00	720-725	C 09 B	45/14
				A 61 K	37/16	400,401	C 07 K	3/00	591,592	C 09 B	43/12	726	C 09 B	29/00
				C 07 K	3/00			13/00	593	C 09 B	43/00			31/00
					13/00			15/00			43/22			33/00
					15/00			17/00			43/30			35/00
					17/00	402-406	C 07 K	3/00	594	C 09 B	43/02			37/00
				C 08 H	1/04			13/00			43/24	727	C 09 B	29/00
				C 07 K	3/00			15/00	595	C 09 B	43/18			31/047
			361-369					17/00			43/30			31/057
					13/00		C 08 H	1/00	596	C 09 B	43/28			31/065
					15/00	407	A 61 K	37/18	597,598	C 09 B	43/40			31/072
					17/00		C 07 K	3/00	599	C 09 B	43/00			31/078
					35/78			13/00	600	C 09 B	43/08			33/00
					35/80			15/00	601	C 09 B	43/04			35/00
			370	A 61 K	3/00			17/00	602	C 09 B	45/01			37/00
				C 07 K	13/00	408,409	C 07 K	3/00	603	C 09 B	44/00			39/00
					15/00			13/00			44/02	728-737	C 09 B	29/00
					17/00			15/00	604,605	C 09 B	44/08			31/00
					1/18			17/00	606-611	C 09 B	44/10			33/00
				A 23 J	1/18		C 08 H	1/00	612	C 09 B	44/08			35/00
				A 61 K	35/78	410	C 07 K	3/00	613-615	C 09 B	44/02			37/00
				C 07 K	3/00			13/00	616	C 09 B	46/00	738	C 09 B	56/02
					13/00			15/00	617	C 09 B	62/006	739-742	C 09 B	29/00
					15/00			17/00			62/026			29/32
					17/00		C 08 H	1/00			62/447			37/00
					1/12			1/02			62/767	743	C 09 B	31/00
			372	A 23 J	1/12	411	C 07 K	3/00			62/82			31/24
				A 61 K	35/78			13/00	618	C 09 B	62/018			33/00
					35/80			15/00			62/038			35/00
				C 07 K	3/00			17/00			62/463			37/00
					13/00	412-427	C 08 H	1/00	619-628	C 09 B	62/012	744-748	C 09 B	31/00
					15/00		A 23 J	1/00			62/032			31/10
					17/00		C 07 K	3/00			62/455			33/00
			373-376	A 61 K	35/78			13/00			62/495			33/153
				C 07 K	35/80			15/00	629	C 09 B	62/012			35/00
					3/00			17/00			62/032			35/035
					13/00	500-507	C 07 G	1/00			62/455			37/00
					15/00		C 08 L	97/00			62/527	749,750	C 09 B	29/00
					17/00				630,631	C 09 B	62/026			31/00
			377,378	A 23 J	1/14						62/347			33/00
				A 61 K	35/78						62/40			35/00
					35/80						62/489			37/00
				C 07 K	3/00						62/08	751-753	C 09 B	29/033
					13/00				632-638	C 09 B	62/16			29/09
					15/00						62/24			29/22
					17/00		C 07 G				62/32			29/36
			379	A 61 K	35/78				639	C 09 B	62/00			37/00
				C 07 K	35/80				640	C 09 B	62/006	754,755	C 09 B	39/00
					3/00						62/006			31/00
					13/00						62/58			31/16
					15/00						62/767			31/30
			380,381	A 61 K	35/14						62/82			33/00
				C 07 K	37/04				641,642	C 09 B	62/507			33/18
					3/00						62/527			35/00
					13/00	7	C 07 C		643	C 09 B	62/47			35/35
					15/00	10	C 07 F				62/66			35/36
					17/00	11-13	C 07 F	5/00	644	C 09 B	62/00			35/378
					35/14	14	C 07 F	13/00			62/006			35/38
				C 07 K	3/00	15,16	C 07 F	5/00			62/58			35/50
					13/00	550-565	C 07 C	245/00			62/767			35/64
					15/00	566-572	C 07 C	291/00			62/82	756-764	C 09 B	31/02
					17/00	573	C 07 C	245/00	645-651	C 09 B	29/00			33/02
					35/14			321/00			31/00			35/02
			384	A 61 K	35/14			323/00			33/00			37/00
					37/475			381/00			35/00			39/00
				C 07 K	3/00			27/00			37/00	765	C 09 B	29/033
					13/00		C 09 B	31/00	652	C 09 B	56/10			29/09
					15/00			33/00	653	C 09 B	56/00			29/22
					17/00			35/00	654-656	C 09 B	56/12			29/36
			385-394	A 61 K	35/14			37/00	657,658	C 09 B	56/00	766	C 09 B	29/42
				C 07 K	3/00			39/00	659,660	C 09 B	29/00	767	C 09 B	29/52
					13/00			41/00			31/00	768	C 09 B	29/42
					15/00									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 534—Con.			816	C 07 C	245/00			5/06	102	C 08 B	31/00	138	C 08 B	67/00
		29/44		C 09 B	31/02		C 08 B	37/00			33/00	139,140	C 09 B	47/10
769	C 09 B	29/46			33/02	20	C 08 B	37/08			35/00			47/04
770-773	C 09 B	29/42	817,818	C 07 C	245/00	21	C 08 B	37/10	103	C 08 B	37/16			62/00
774-787	C 09 B	29/033		C 09 B	33/056	22	C 07 H	19/00	104	C 08 B	35/00			67/00
		29/09			35/02	23,24	C 07 H	17/00	105	C 08 B	31/18	141	C 09 B	67/04
		29/22			35/26	25	C 07 H	23/00			33/08			67/50
		29/36	819,820	C 07 C	245/00	26	C 07 H	19/06	106	C 08 B	31/00	142-144	C 09 B	47/04
788	C 09 B	29/039		C 09 B	31/02	27-29	C 07 H	15/12			33/00	145	C 07 B	47/00
		29/09			33/02			17/00			35/00			487/22
		29/22			35/02	30,31	C 08 B		107	C 08 B	31/02	200,201	C 07 B	205/00
		29/36			35/28	32-34	C 08 B	3/00			33/02	202	C 07 B	229/00
789	C 09 B	29/033	821	C 07 C	245/00			5/00			35/02			273/00
		29/09		C 09 B	31/02	35	C 08 B	5/02	108	C 08 B	31/02	203	C 07 B	285/00
		29/22			33/02	36	C 08 B	3/00			31/16	204	C 07 B	205/12
		29/36			35/22			5/02			33/02			223/00
790	C 09 B	29/036			35/227			7/00			33/06	205	C 07 B	225/00
		29/09			35/233	37	C 08 B	1/04			35/02			221/00
		29/22	822-826	C 07 C	245/00	38-40	C 08 B	5/04			35/06			237/00
		29/36		C 09 B	31/02	41	C 08 B	5/04	109,110	C 08 B	31/02			239/00
		29/09			33/02			5/10			33/02			241/00
791	C 09 B	29/033			35/02	42	C 08 B	5/08			35/02			251/00
		29/09			35/08	43	C 08 B	11/00	111	C 08 B	31/08			253/00
		29/22	827-837	C 07 C	245/00	44	C 08 B	11/193			33/04			255/00
792,793	C 09 B	29/033		C 09 B	31/02	45	C 08 B	31/00			35/04			257/00
		29/09			33/02			33/00	112,113	C 08 B	37/02	214	C 07 B	259/00
		29/22			35/02			35/00	114	C 07 G	17/00			279/00
		29/46	838-886	C 07 C	245/00	46	C 08 B	37/00			245/00			285/00
794	C 09 B	29/033		C 09 B	29/00			30/18			37/00			295/00
		29/09	887	C 09 B	46/00	47	C 08 B	31/00	115	C 07 H	11/00			419/00
		29/22						33/00	116	C 07 H	15/04			513/00
		29/36						35/00	117	C 07 H	11/04	215-217	C 07 B	501/00
795	C 09 B	29/039				48	C 08 B	31/02			13/00	218	C 07 B	501/02
		29/09	U.S. Class 536					33/02	118	C 07 H	13/12			501/10
		29/22	PART OF THE CLASS 532-570 SERIES --			49	C 08 B	35/02			13/02	219	C 07 B	501/18
		29/36	ORGANIC COMPOUNDS					31/02	119	C 07 H	15/04	220	C 07 B	501/12
796	C 09 B	31/00						31/16	120	C 07 H	23/00	221-228	C 07 B	501/00
		31/16	1.1	C 07 H	1/00			33/02	121	C 07 H				501/14
		31/30			3/00			33/06	122	C 07 H		229,230	C 07 B	501/00
		33/00		C 08 B	37/00			35/02	123-126	C 07 G	17/00	300,301	C 07 B	498/00
		33/18		C 13 K				35/06		C 07 H	1/00	302	C 07 B	487/00
		35/00	2	C 08 B	37/06	50	C 08 B	31/08		C 08 B	37/00	303	C 07 B	487/00
		35/35	3	C 08 B	37/04			33/04		C 13 K				498/00
		35/36	4.1	C 07 G	3/00			35/04	127,128	C 07 H	1/06	304	C 07 B	499/00
		35/378			11/00	51	C 08 B	37/02			1/08	305	C 07 B	499/00
		35/38		C 07 H	15/00	52	C 07 G	17/00						499/90
		35/50			17/00			37/00				306	C 07 B	499/00
		35/64	4.4	C 07 G	3/00	53-55	C 07 G					307	C 07 B	499/00
797	C 09 B	31/02		C 07 H	15/24		C 07 H		U.S. Class 540			308-310	C 07 B	499/00
		33/02	5.6	C 07 J			C 08 B	37/00	PART OF THE CLASS 532-570 SERIES --			311	C 07 B	499/00
		35/02	6.1-6.3	C 07 H	15/24	55.1-55.3	C 07 H	5/04						499/28
		37/00		C 07 J	17/00			5/06						499/40
		39/00	6.4	C 07 H	15/24		C 08 B	37/00	1	C 07 B	345/00	312	C 07 B	499/00
798-802	C 09 B	29/033	6.5-7.5	C 07 H	17/08	56	C 08 B				517/00			499/00
		29/09	8	C 07 H	15/00	57	C 08 B	16/00		C 07 F		313	C 07 B	499/02
		29/22			17/00	58,59	C 08 B	3/00	2-5	C 07 J		314	C 07 B	499/44
		29/36	8.8,13	C 07 H	17/06			5/00	6-10	C 07 J	21/00	315	C 07 B	499/04
803	C 09 B	29/033	13.1	C 07 H	15/20			7/00	11	C 07 J	19/00	316,317	C 07 B	499/12
		29/09	13.2-13.9	C 07 H	15/20			13/00	12-14	C 07 J	21/00	318	C 07 B	499/08
		29/22			15/22	60,61	C 08 B	9/00	15	C 07 J	53/00	319,320	C 07 B	499/04
804	C 09 B	29/52	14-16	C 07 H	15/22	62	C 08 B	3/00	16-27	C 07 J	71/00	321	C 07 B	499/16
		29/033	16.1	C 07 H	17/04			5/00	28	C 07 J	21/00	322	C 07 B	499/18
		29/09	16.2-16.5	C 07 H	15/16			7/00	29	C 07 J	43/00	323	C 07 B	499/14
		29/22	16.6	C 07 H	15/20			13/00	30	C 07 J	33/00	324	C 07 B	499/13
		29/36			15/22	63	C 08 B	3/00	31-46	C 07 J	21/00	325	C 07 B	499/80
805	C 07 C	245/00	16.7	C 07 H	17/04	64,65	C 08 B	3/16	47	C 07 J	53/00	326	C 07 B	499/48
	C 09 B	31/30	16.8,16.9	C 07 G	11/00	66	C 08 B	13/00	48-93	C 07 J	71/00	327	C 07 B	499/76
		33/00		C 07 H	15/00	67	C 08 B	3/04		C 07 J	17/00	328-330	C 07 B	499/46
		33/18			17/00	68	C 08 B	3/08	95-99	C 07 J	43/00	331,332	C 07 B	499/48
		35/00	17.1	C 07 H	15/00	69	C 08 B	3/06	100-105	C 07 J	17/00	333	C 07 B	499/22
		35/64			17/00	70-75	C 08 B	1/02		C 07 J	41/00			499/48
806-808	C 07 C	245/00			23/00	76-80	C 08 B	3/22	107-113	C 07 J	43/00	334	C 07 B	499/26
	C 09 B	31/30	17.2-17.9	C 07 H	15/00	81	C 08 B	3/30	114-119	C 07 J	17/00			499/48
		33/00			17/00	82	C 08 B	3/22		C 07 J		335,336	C 07 B	499/48
		33/18			17/02	83	C 08 B	3/06	120	C 07 J		337,338	C 07 B	499/46
		35/50	18.1	C 07 H	15/24	84	C 08 B	11/00	121	C 07 B	487/22	339	C 07 B	499/74
809-815	C 07 C	245/00	18.2	C 07 H	15/00	85-89	C 08 B	11/20		C 09 B	62/00	340-342	C 07 B	499/48
	C 09 B	31/16			15/06	90,91	C 08 B	11/193	122,123	C 09 B	47/04	343	C 07 B	499/22
		33/00	18.3	C 07 H	15/00	92	C 08 B	11/00			62/00	344	C 07 B	499/26
		33/18			15/08	93	C 08 B	11/187			67/00	345	C 07 B	499/24
		35/00	18.4	C 07 H	15/00	94	C 08 B	11/16	124-126	C 07 B	487/22	346	C 07 B	499/04
		35/35	18.5,18.6	C 07 G	3/00	95,96	C 08 B	47/04		C 09 B		347-349	C 07 B	487/08
		35/36		C 07 H	15/00	97,98	C 08 B	11/12			62/00	350,351	C 07 B	487/04
		35/378			17/00	99,100	C 08 B	11/02	127-137	C 09 B	47/04	352,353	C 07 B	513/00
		35/38	18.7	C 07 H	5/04	101	C 08 B	15/05			62/00	354-364	C 07 B	205/08

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 540—Con.			500	C 07 D	243/10	557	C 07 D	243/10	32	C 07 D	513/00	134-136	C 07 D	417/00
450-452	C 07 D	225/00	501	C 07 D	255/04			487/12			279/02	137	C 07 D	417/00
453	C 07 D	225/04			257/10			491/00			279/08			413/00
454	C 07 D	267/22	502	C 07 D	259/00	558,559	C 07 D	513/00			279/14			419/00
		281/18			487/00			515/00	33	C 07 D	513/00	138-153	C 07 D	413/00
		291/00			491/00			513/00			279/02	154-156	C 07 D	265/30
		337/16	503	C 07 D	495/00	560	C 07 D	491/00			513/00			295/00
		487/00			491/00			515/00	34	C 07 D	513/00	157	C 07 D	265/30
455	C 07 D	267/22	504	C 07 D	243/12			513/00	35-37	C 07 D	279/18			295/00
		281/18	505	C 07 D	243/18	561-566	C 07 D	487/12	38	C 07 D	279/22	158	C 07 D	295/22
		291/00	506-514	C 07 D	243/24	567	C 07 D	243/00	39,40	C 07 D	279/18			265/30
		337/16	515	C 07 D	243/28			487/02	41	C 07 D	279/24			295/00
		487/00	516	C 07 D	243/30	568	C 07 D	491/00	42-46	C 07 D	417/00			295/08
		513/00	517,518	C 07 D	243/12			513/00	47	C 07 D	279/02			295/10
456-459	C 07 D	267/22	519	C 07 D	223/14			515/00			279/08	159,160	C 07 D	295/22
		281/18			487/00	569-574	C 07 D	243/14			279/14			265/30
		291/00	520	C 07 D	487/00	575	C 07 D	243/08	48	C 07 D	513/00			295/12
		337/16			491/00	576	C 07 D	223/14	49-52	C 07 D	279/16			295/22
		487/00			513/00	577	C 07 D	487/00	53,54	C 07 D	279/04	161	C 07 D	265/30
		498/00	521-523	C 07 D	487/00			491/00			279/06			295/00
		513/00			491/00	578-580	C 07 D	487/00	55	C 07 D	417/00			295/10
460	C 07 D	245/00			498/00			498/00	56-58.7	C 07 D	279/10	162	C 07 D	295/22
461	C 07 D	225/04			513/00			513/00			279/12			265/30
		487/00	524	C 07 D	401/00	581	C 07 D	223/00	59	C 07 D	279/12			295/06
462	C 07 D	491/00			405/00	582	C 07 D	223/00	60-62	C 07 D	417/00	163	C 07 D	295/12
463,464	C 07 D	225/02			409/00			295/00	63	C 07 D	265/00			295/22
465	C 07 D	225/00			411/00	583	C 07 D	223/00	64	C 07 F	265/00	164	C 07 D	265/30
466	C 07 D	225/04			413/00			295/16	65	C 07 D	273/00			295/14
467	C 07 D	267/22			415/00	584	C 07 D	223/14	66	C 07 D	273/00	165,166	C 07 D	295/22
		281/18			417/00	585	C 07 D	223/00			273/04			265/30
		291/00			419/00			295/04	67,68	C 07 D	273/04			295/12
468,469	C 07 D	267/22	525	C 07 D	403/00	586	C 07 D	223/14	69	C 07 F	273/00	167	C 07 D	295/22
		281/18	526	C 07 D	223/10	587-592	C 07 D	223/18	70	C 07 D	273/00			265/30
		291/00	527,528	C 07 D	223/12	593-595	C 07 D	223/16			295/00	168,169	C 07 D	295/06
		337/16	529-531	C 07 D	223/10	596	C 07 D	405/00	71	C 07 D	265/00			265/30
		487/00	532,533	C 07 D	201/00			409/00			295/00	170	C 07 D	265/32
		491/00	534	C 07 D	201/02	597	C 07 D	401/00	72	C 07 D	265/00			295/08
		513/00			201/10	598,599	C 07 D	413/00			273/00			295/10
470	C 07 D	245/00	535-537	C 07 D	201/04			415/00			295/00	171	C 07 D	265/30
471-473	C 07 D	245/00	538,539	C 07 D	201/02	600-603	C 07 D	417/00	73	C 07 D	498/00			295/18
		487/00	540	C 07 D	201/16	604	C 07 D	403/00			265/02	172	C 07 D	265/30
474,475	C 07 D	255/02	541,542	C 07 D	223/00	605,606	C 07 D	223/08			265/12			295/10
		257/02				607-611	C 07 D	223/12			265/28			295/18
476-479	C 07 D	259/00	543	C 07 D	223/14	612	C 07 D	223/04	74-77	C 07 D	498/00	173	C 07 D	265/30
		487/00			487/00			295/00	78,79	C 07 D	265/30			265/32
		491/00			491/00	U.S. Class 544			80-83	C 07 D	413/00	174	C 07 D	265/30
		513/00	544	C 07 D	267/02	PART OF THE CLASS 532-570 SERIES --			84	C 07 D	265/30			295/10
480	C 07 D	403/00	545	C 07 D	281/02	ORGANIC COMPOUNDS					295/00	175	C 07 D	295/22
		405/00			273/00	1	C 07 D	291/00	85	C 07 D	265/30			295/18
		409/00	546	C 07 D	285/36	2	C 07 D	279/00			265/32	176	C 07 D	265/30
		411/00			267/02	3	C 07 D	285/00	86	C 07 D	265/04	177	C 07 D	265/32
481	C 07 D	401/00	547	C 07 D	281/02			295/00	87	C 07 D	265/12			295/10
482,483	C 07 D	225/00			291/08	4	C 07 D	279/00	88	C 07 D	498/00	178	C 07 D	265/30
484	C 07 D	223/00			498/00			285/00	89,90	C 07 D	498/00			295/02
485	C 07 D	223/10			513/00	548	C 07 D	295/00			265/12	179	C 07 D	257/08
486,487	C 07 F	223/10			515/00			295/00	91	C 07 D	265/26			257/12
					513/00	549-551	C 07 D	267/02	92,93	C 07 D	498/00	180	C 07 D	251/00
488	C 07 D	267/02			267/02			281/02	94	C 07 D	413/00			265/30
		281/02			291/08	5	C 07 D	279/00	95	C 07 D	413/12	181	C 07 F	253/00
		291/08			498/00			285/00	96	C 07 D	265/28	182	C 07 D	253/08
		498/00			513/00	6	C 07 D	295/00	97	C 07 D	295/00	183	C 07 D	487/00
		513/00			515/00	7,8	C 07 D	285/16	98	C 07 D	265/34			487/00
490	C 07 D	273/02			515/00	9	C 07 D	285/18			498/00	184	C 07 D	487/12
		273/08			513/02			285/34	100	C 07 D	265/34	185,186	C 07 D	251/00
		285/36			515/02	10,11	C 07 D	285/22	101	C 07 D	498/02	187	C 07 D	403/00
490,491	C 07 D	267/02	553	C 07 D	243/00			285/22			498/12	189	C 07 D	251/00
		281/02	554	C 07 D	255/00			285/34	102-104	C 07 D	265/38			251/38
		291/08			257/00			285/22			265/36	190,191	C 07 D	251/28
		498/02			259/00	12	C 07 D	285/22	105	C 07 D	498/02	192,193	C 07 D	251/32
		513/00			243/00	13	C 07 D	285/22			265/30	193.1,193.2	C 07 D	251/00
492	C 07 D	243/00			257/00			285/26	106	C 07 D	295/00			23/00
493	C 07 D	243/10			259/00	14	C 07 D	279/00			265/30	194,195	C 07 D	251/00
494	C 07 D	487/00	555	C 07 D	487/22			285/00	107	C 07 D	295/02			251/40
495	C 07 D	243/10			491/00			419/00			295/00	196	C 07 D	251/00
496	C 07 D	487/00			498/00			513/00	108-110	C 07 D	295/00			251/54
497	C 07 D	487/00	556	C 07 D	243/00			513/00	111-132	C 07 D	413/00	197	C 07 D	251/00
		491/00			487/00			515/00	133	C 07 D	415/00			
		498/00			491/00									
		513/00			513/00									
498	C 07 D	487/00			515/00									
499	C 07 D	487/04												

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 544—Con.			243,244	C 07 F	239/02	331	C 07 D	401/00	406-410	C 07 D	419/00	42	C 07 D	515/00
		251/54	245,246	C 07 D	9/02			403/00			241/02			221/18
		403/00			239/00			405/00				43	C 07 D	221/22
198	C 07 D	403/00			239/70			409/00						471/00
199	C 07 D	403/00			471/00			411/00						491/00
		251/00			487/00			413/00						498/00
		251/40	247	C 07 D	239/00			403/00						513/00
200	C 07 D	251/54			471/00			419/00						515/00
201	C 07 D	251/60			487/00	332	C 07 D	239/02	U.S. Class 546			44,45	C 07 D	471/00
202	C 07 D	251/58			491/00	333	C 07 D	401/00	PART OF THE CLASS 532-570 SERIES —					489/00
203	C 07 D	251/62			239/00			403/00	ORGANIC COMPOUNDS					491/00
204	C 07 D	251/18	248,249	C 07 D	239/70			405/00	1	C 07 D	213/00			498/00
		251/48			471/00			409/00	2	C 07 F				513/00
205	C 07 D	251/18			487/00			411/00	3	C 07 F	9/80			515/00
206	C 07 D	251/18	250,251	C 07 D	239/00			413/00	4-12	C 07 F				471/00
		251/48			471/00			417/00	13	C 07 F	5/02			489/00
		403/00			487/00			419/00	14	C 07 F	7/02	46	C 07 D	489/00
207	C 07 D	403/00			491/00	334,335	C 07 D	239/02	15	C 07 D	211/00			489/08
208	C 07 D	251/18	252	C 07 D	239/00	336	C 07 D	241/00			215/00			491/00
		251/48			239/70			241/02			217/00			498/00
		403/00			471/00	337	C 07 F	9/02			219/00			513/00
209	C 07 D	403/00			487/00	338	C 07 D	241/36			221/00			515/00
210	C 07 D	251/18	253	C 07 D	239/00			271/00	16	C 07 D	215/00	47-49	C 07 D	471/00
		251/48			239/70			487/00			217/00			491/00
211	C 07 D	251/02	254,255	C 07 D	239/00			491/00			219/00			498/00
		251/42			471/00			495/00			221/00			513/00
		403/00			487/00			497/00	17,18	C 07 D	401/00			515/00
212	C 07 D	403/00			491/00			498/00			451/00			459/00
213	C 07 D	251/02	256	C 07 D	487/00	339-343	C 07 D	513/00			453/00	50	C 07 D	471/00
		251/38	257-261	C 07 D	475/00	344	C 07 D	241/36			455/00			491/00
214-223	C 07 D	251/00	262,263	C 07 D	487/00			241/36	19	C 07 D	471/00			498/00
224	C 07 D	237/00	264-277	C 07 D	473/00			471/00			491/10			513/00
		237/02	278	C 07 D	491/00			487/00			491/20			515/00
225	C 07 F	1/00			495/00	345,346	C 07 D	471/00			495/10	51,52	C 07 D	471/00
		1/08			471/00			487/00			495/20			491/00
		1/10	279	C 07 D	487/00			491/00			497/10			498/00
		1/12	280,281	C 07 D	487/00			495/00	20	C 07 D	471/10			513/00
		3/00	282	C 07 D	239/70			497/00			471/20			515/00
		3/08	283	C 07 D	239/72	347,348	C 07 D	241/46			491/10			519/04
		5/00	284	C 07 D	401/00	349	C 07 D	241/36			491/20	53-57	C 07 D	471/00
		5/06			403/00			471/00			9/06			491/00
		7/00			413/00			487/00	21	C 07 F	9/22			498/00
		7/22			417/00	350	C 07 D	471/00			9/28			513/00
		7/24			419/00			487/00	22-25	C 07 F	9/06			515/00
		7/28	285-293	C 07 D	239/72			491/00			9/28	58-60	C 07 D	221/18
		7/30	294	C 07 D	239/02			495/00			221/18			471/00
		9/00	295,296	C 07 D	403/00			497/00	26	C 07 D	221/22			491/00
		9/90	297-299	C 07 D	239/02	351,352	C 07 D	487/00	27	C 07 D	471/00	61	C 07 D	221/18
		9/94	300	C 07 D	401/00	353-356	C 07 D	241/36			491/00			221/22
		11/00			403/00	357	C 07 D	241/02			498/00	62-66	C 07 D	471/00
		13/00			405/00	358	C 07 D	241/04			513/00			491/00
		15/00			409/00			295/00			515/00			498/00
		15/02			411/00	359	C 07 D	403/00	28	C 07 D	221/18			513/00
		15/04			413/00	360-363	C 07 D	401/00			221/22			515/00
		15/06			417/00	364	C 07 D	401/00	29	C 07 D	457/00	67-69	C 07 D	457/00
		17/00			419/00			403/00			491/00			471/00
226	C 07 F	3/06	301-309	C 07 D	239/02			405/00			498/00			491/00
		9/66	310	C 07 D	401/00			409/00			513/00			498/00
227	C 07 F	3/10			403/00	365	C 07 D	401/00			515/00			513/00
		3/12			405/00	366	C 07 D	403/00	30	C 07 D	221/18			515/00
		3/14			409/00	367,368	C 07 D	413/00			221/22			519/02
228	C 07 F	3/14			411/00			417/00	31,32	C 07 D	471/00	70	C 07 D	471/00
229	C 07 F	5/02			413/00			419/00			491/00			487/00
		5/04			417/00	369	C 07 D	413/00			498/00			491/00
		7/02			419/00			417/00			513/00			498/00
230,231	C 07 D	237/00	311-323	C 07 D	239/02	370-373	C 07 D	403/00			515/00			513/00
		239/00	324	C 07 D	401/00	374	C 07 D	405/00	33	C 07 D	221/18			515/00
		241/00			403/00			409/00			221/22	71,72	C 07 D	221/18
232	C 07 F	9/02			405/00			411/00	34-37	C 07 D	221/22			221/22
233	C 07 D	237/26			409/00	375,376	C 07 D	405/00			471/00	73	C 07 D	221/18
		487/00			411/00			409/00			491/00	74	C 07 D	221/22
234	C 07 D	237/26			413/00	377-379	C 07 D	405/00			498/00			221/28
		237/36			417/00			409/00			513/00	75,76	C 07 D	221/18
		487/00			419/00			411/00			515/00	77,78	C 07 D	221/18
235	C 07 D	237/26	325,326	C 07 D	239/02	380-383	C 07 D	241/04	38	C 07 D	221/18			221/22
		237/28	327	C 07 D	239/02			295/00			221/22	79	C 07 D	221/06
		487/00			415/00	384,385	C 07 D	241/04	39	C 07 D	471/00			221/22
236	C 07 D	487/00	328	C 07 D	401/00	386-404	C 07 D	241/04			489/12	80	C 07 D	455/04
237	C 07 D	237/30			403/00			295/00			491/00			471/00
238	C 07 D	401/00			405/00	405	C 07 D	401/00			498/00			491/00
		403/00			409/00			403/00			513/00			498/00
		405/00			411/00			405/00			515/00			513/00
		409/00			413/00			409/00	40,41	C 07 D	471/00			515/00
239-241	C 07 D	237/00			417/00			471/00			491/00	81,82	C 07 D	471/00
		237/02			419/00			413/00			498/00			491/00
242	C 07 D	239/00	329,330	C 07 D	239/02			417/00			513/00			498/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 546—Con.					217/06			409/00			211/34	282	C 07 D	401/04
		217/12			411/00			411/00			211/60	283	C 07 D	401/00
		513/00	148	C 07 D	401/00			413/00	247	C 07 D	211/30			405/00
		515/00			405/00			417/00			211/32			409/00
83	C 07 D	491/00			409/00			419/00	248	C 07 D	211/20			411/00
		495/00			411/00			421/00			211/30			413/00
		513/00			413/00	193,194	C 07 D	211/68	249	C 07 D	211/02			417/00
		515/00			417/00			211/80	250	C 07 D	213/08			419/00
84-87	C 07 D	471/00			419/00			213/02			213/14			421/00
		491/00			421/00	195	C 07 D	211/06	251,252	C 07 D	213/06	284	C 07 D	409/00
		498/00	149	C 07 D	217/18			401/00	253	C 07 D	213/08			411/00
		513/00			217/20			405/00			213/12			413/00
		515/00	150	C 07 D	217/00			409/00	254	C 07 D	213/00			417/00
88	C 07 D	471/04	151	C 07 D	217/10			411/00	255	C 07 D	213/04	285	C 07 D	211/68
89,90	C 07 D	491/00	152	C 07 D	215/00			413/00	256	C 07 D	401/00			211/80
		498/00	153	C 07 D	215/16			417/00			405/00	286-289	C 07 D	211/78
		515/00			215/20			419/00			409/00			211/90
		491/08			215/36			421/00			411/00			213/84
91	C 07 D	491/00			215/60	196	C 07 D	401/00			413/00	290,291	C 07 D	211/72
92	C 07 D	498/00			215/16			405/00			417/00			211/84
		515/00	154	C 07 D	215/20			409/00			419/00			213/63
		221/06			215/36			411/00			421/00			213/70
		221/16		C 09 D	25/00			413/00	257	C 07 D	213/22	292	C 07 D	211/72
		221/22	155-158	C 07 D	215/16			417/00	258,259	C 07 D	213/22			211/84
94	C 07 D	451/00			215/20			419/00			213/26			213/63
		453/00			215/36			421/00			213/22			213/70
		455/00	159	C 07 D	215/38	197-199	C 07 D	213/62	260	C 07 D	213/22			213/72
95	C 07 D	455/06	160,161	C 07 D	215/38	200	C 07 D	401/00	261	C 07 D	213/62	293	C 07 D	211/72
96	C 07 D	455/08			215/44			405/00	262	C 07 D	213/44			211/72
97	C 07 D	221/22	162,163	C 07 D	215/38			409/00	263	C 07 D	213/79			211/84
98-100	C 07 D	221/04			215/46			411/00	264	C 07 D	213/36			213/70
		471/06	164,165	C 07 D	215/00			413/00			213/53			213/72
		471/16	166	C 07 D	215/02			417/00			213/54			213/75
		221/06	167	C 07 D	401/00			419/00			213/72	294,295	C 07 D	211/72
101	C 07 D	219/00			405/00			421/00	265	C 07 D	213/40			211/84
102	C 07 D	219/04			409/00	201	C 07 D	401/00			213/56	296	C 07 D	211/72
103	C 07 D	219/08			411/00	202	C 07 D	409/00			213/75			211/84
104	C 07 D	219/10			413/00			411/00			213/81			213/69
105	C 07 D	219/12			417/00			417/00			213/83			213/70
106	C 07 D	219/08			419/00			419/00	266	C 07 D	213/28	297	C 07 D	211/72
107	C 07 D	221/12			421/00	203-206	C 07 D	211/06			213/44			211/84
108,109	C 07 D	221/06	168	C 07 D	215/12	207-210	C 07 D	401/00			213/44			213/72
110	C 07 D	221/16			215/14			405/00			213/62	298-302	C 07 D	211/72
111	C 07 D	221/02	169	C 07 D	215/38			409/00			213/70			211/84
112	C 07 D	471/02	170	C 07 D	215/20			411/00			213/78			213/62
113,114	C 07 D	491/02			215/36			413/00	267	C 07 D	213/46			213/78
		498/02	171	C 07 D	215/38			417/00			213/52	303	C 07 D	211/72
		513/02	172	C 07 D	215/36			419/00			213/54			211/84
		515/02	173	C 07 D	215/04			421/00			213/62			213/62
115,116	C 07 D	471/02			215/12	211	C 07 D	401/00			213/70	304	C 07 D	211/72
		491/02		C 09 D	25/00	212,213	C 07 D	409/00			213/78			211/84
		498/02	174	C 07 D	215/12	214	C 07 D	405/00	268,269	C 07 D	401/00			213/72
117-121	C 07 D	471/02			215/14	215	C 07 D	211/56			405/00	305	C 07 D	211/72
		491/02	175	C 07 D	215/38	216	C 07 D	211/40			409/00			211/84
		498/02	176	C 07 D	215/12			211/54			411/00			213/72
		513/02	177,178	C 07 D	215/16	217	C 07 D	211/44			413/00			213/75
		515/02	179	C 07 D	215/20			211/52			417/00	306	C 07 D	211/72
122,123	C 07 D	471/02			215/36			211/54			419/00			211/84
124	C 07 D	451/02	180	C 07 D	215/18	218	C 07 D	211/44			421/00			213/72
125,126	C 07 D	401/00	181	C 07 D	215/04	219,220	C 07 D	211/40	270,271	C 07 D	401/00			213/86
		405/00	182	C 07 D	215/10	221	C 07 D	211/22	272	C 07 D	413/00	307	C 07 D	213/88
		409/00	183	C 07 D	221/02	222	C 07 D	211/36			417/00			211/72
		411/00	184	C 07 D	211/00			211/40			419/00			211/84
		413/00			295/00			211/54			419/00			213/72
		417/00	185	C 07 D	211/02	223,224	C 07 D	211/56	273	C 07 D	401/00	308,309	C 07 D	211/72
		419/00	186	C 07 D	211/00			211/92	274	C 07 D	409/00			211/84
		421/00	187	C 07 D	401/00	225	C 07 D	211/30			411/00			213/72
127-132	C 07 D	451/02			405/00			211/32			413/00			213/75
		451/04			409/00	226	C 07 D	211/06			417/00			213/81
		451/06			411/00	227,228	C 07 D	211/60	275,276	C 07 D	401/00	310	C 07 D	211/72
133	C 07 D	453/02			413/00	229	C 07 D	211/26			413/00			211/84
134-136	C 07 D	453/02			417/00	230	C 07 D	211/60			417/00			213/72
		453/04			419/00	231	C 07 D	211/26			419/00			213/78
137	C 07 D	453/02			421/00			211/28	277	C 07 D	405/00			213/78
138	C 07 D	455/02	188	C 07 D	211/36	232	C 07 D	211/18			409/00	311	C 07 D	211/72
139	C 07 D	217/00			211/40	233-235	C 07 D	211/32			411/00			211/84
140	C 07 D	217/00			211/54	236,237	C 07 D	211/20			413/00			213/73
		217/02	189	C 07 D	211/30	238,239	C 07 D	211/34			417/00	312	C 07 D	211/72
141,142	C 07 D	217/22			211/32	240,241	C 07 D	211/22			419/00			211/84
143	C 07 D	217/00			211/60	242,243	C 07 D	211/36			421/00			213/72
		217/22	190	C 07 D	211/30			211/40	278,279	C 07 D	401/00	313	C 07 D	213/78
144	C 07 D	217/00			211/32			211/54	280	C 07 D	409/00			211/70
		217/02	191	C 07 D	211/08	244	C 07 D	211/56			411/00			211/82
145	C 07 D	217/00	192	C 07 D	211/08			211/98			413/00			213/52
		217/26			401/00	245	C 07 D	211/60			417/00	314,315	C 07 D	211/70
146,147	C 07 D	217/00			405/00	246	C 07 D	211/26	281	C 07 D	401/00			211/82

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 546—Con.					213/18			7/02			513/12			513/00
		213/20			213/20	111	C 07 F	9/28			513/22	210	C 07 D	275/06
316,317	C 07 D	211/72	348-353	C 07 D	211/70	112-119	C 07 F	9/06	155	C 07 D	513/04			417/00
		211/84			211/82			9/28	156	C 07 D	277/62	211	C 07 D	513/00
318	C 07 D	213/56			213/06	120	C 07 D	293/10	157	C 07 D	277/62	212	C 07 D	275/06
		211/78						421/00			277/68			275/04
		211/90				121	C 07 D	517/00	158	C 07 D	277/78			417/00
319-321	C 07 D	213/80						293/10	159	C 07 D	417/00	213,214	C 07 D	513/00
		213/80						421/00	160	C 07 D	277/62			275/02
322	C 07 D	213/803	U.S. Class 548			122	C 07 D	517/02	161	C 07 D	277/82			417/00
		211/78	PART OF THE CLASS 532-570 SERIES --					291/00	162	C 07 D	417/00			513/00
		211/90	ORGANIC COMPOUNDS					419/00	163,164	C 07 D	277/82	215	C 07 D	263/02
323	C 07 D	213/80	100	C 07 D	293/00	123	C 07 D	515/00	165	C 07 D	277/62			413/00
		211/78			421/00			285/00			277/68	216	C 07 D	263/52
		211/90			517/00			417/00	166	C 07 D	277/62			413/00
324,325	C 07 D	213/81	101	C 07 F	231/00	124	C 07 D	273/00			277/68			498/10
		211/78	102	C 07 D	233/00			413/00	167,168	C 07 D	277/62	217	C 07 D	498/20
		211/90			235/00	125	C 07 D	498/00	169-177	C 07 D	277/62			263/52
326,327	C 07 D	213/86			249/00			271/02			277/68			263/60
		213/88			261/00			271/04			277/80			413/00
		211/78			263/00			271/08	178-180	C 07 D	277/62			498/00
		211/90			271/00			285/02	181	C 07 D	417/00	218	C 07 D	498/00
328	C 07 D	213/79			273/00			285/04	182,183	C 07 D	277/04	219,220	C 07 D	263/62
		211/70			275/00			413/00			277/12	221,222	C 07 D	263/58
		211/82			277/00			417/00			277/14			263/60
329	C 07 D	213/46			283/00			498/00			277/16			413/00
		211/70			285/00			513/00			277/32			498/00
		211/82			291/00	126	C 07 D	271/12			277/34	223	C 07 D	263/52
		213/26			293/00			285/14			277/36			413/00
		213/36			413/00			413/00	184	C 07 D	277/04			498/00
		213/53			417/00			417/00			277/18	224	C 07 D	263/56
		213/54			419/00			498/00			277/38			413/00
330	C 07 D	211/70			421/00	127	C 07 D	513/00	185	C 07 D	277/04			498/00
		211/82			498/00			285/06			277/18	225	C 07 D	263/04
		213/57			513/00			285/14			277/46			263/18
331	C 07 D	211/70			515/00			417/00	186-188	C 07 D	277/04			263/36
		211/82			517/00			513/00			277/12			413/00
		213/53			9/80	128-130	C 07 D	285/08			277/34	226	C 07 D	263/04
		213/54	103	C 07 F				285/14			277/36			263/18
332	C 07 D	211/70	104-107	C 07 D	231/00			417/00	189	C 07 D	277/04			263/34
		211/82			233/00			513/00			277/12			263/44
		213/42			235/00	131-133	C 07 D	271/06			277/32			263/46
		213/53			249/00			271/12	190,191	C 07 D	277/04			413/00
		213/58			261/00			413/00			277/18	227	C 07 D	263/04
333	C 07 D	211/70			263/00			498/00			277/38			263/20
		211/82			271/00	134,135	C 07 D	285/10	192	C 07 D	277/04			263/44
		213/26			273/00			285/14			277/18			263/46
		213/36			275/00			417/00			277/44			413/00
		213/53			277/00			513/00	193	C 07 D	277/04	228	C 07 D	263/04
		213/54			283/00	136	C 07 D	285/12			277/18			263/16
334	C 07 D	211/70			285/00			285/14			277/38			263/18
		211/82			291/00			417/00	194	C 07 D	277/04			263/42
		213/24			293/00			513/00			277/18			413/00
335	C 07 D	211/70			413/00	137	C 07 D	417/04	195,196	C 07 D	277/56	229	C 07 D	263/04
		211/82			417/00			417/14			277/04			263/16
		213/55			419/00	138-142	C 07 D	285/12			277/18			263/20
336-338	C 07 D	211/70			421/00			285/14			277/44			263/38
		211/82			498/00			417/00	197	C 07 D	277/04			413/00
		213/56			513/00			513/00			277/18	230	C 07 D	263/04
339	C 07 D	211/70			515/00	143-145	C 07 D	271/10			277/58			263/16
		211/82			517/00			271/12	198	C 07 D	277/04			263/38
		213/28						413/00			277/18			263/48
		213/44	108,109	C 07 F	231/00			498/00			277/38			413/00
		213/54	110	C 07 D	233/00	146	C 07 D	277/04	199	C 07 D	277/04	231,232	C 07 D	263/04
340	C 07 D	211/70			235/00			277/08			277/18			263/16
		211/82			249/00	147	C 07 D	277/60	200	C 07 D	277/04			263/38
		213/46			261/00			417/00			277/18			413/00
341,342	C 07 D	211/70			263/00			513/10			277/38	233	C 07 D	263/04
		211/82			271/00			513/20			277/56			263/16
		213/55			273/00			513/22	201	C 07 D	277/04			263/34
343	C 07 D	211/70			275/00	148,149	C 07 D	277/60			277/18			263/48
		211/82			277/00			417/00			277/56			413/00
		213/28			283/00			513/04	202	C 07 D	277/20	234	C 07 D	263/04
		213/44			285/00			513/14			277/22			263/16
		213/54			291/00			513/22	203	C 07 D	277/30			263/34
344	C 07 D	211/70			293/00	150	C 07 D	277/60	204	C 07 D	277/28	235	C 07 D	263/30
		211/82			413/00			277/84	205	C 07 D	275/02			413/00
		213/28			417/00			417/00	206	C 07 D	275/02	236	C 07 D	263/34
		213/44			419/00			513/00			513/00			413/00
345	C 07 D	211/72			421/00	151	C 07 D	513/02	207,208	C 07 D	275/04	237	C 07 D	263/08
		211/84			498/00			513/12			275/06			413/00
		213/61			513/00			513/22			417/00	238	C 07 D	263/10
346	C 07 D	211/72			515/00	152	C 07 D	277/60			513/00			263/14
		211/84			517/00			277/62	209	C 07 D	275/04			413/00
347	C 07 D	211/92			5/02	153,154	C 07 D	513/02			417/00	239	C 07 D	263/12

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 548—Con.			343	C 07 D	233/66	495/00	506	C 07 D	209/14	954	C 07 D	203/04		
		413/00	344	C 07 D	233/64	497/00			209/16	955-957	C 07 D	203/00		
240	C 07 D	261/02	345	C 07 D	233/54	491/00	507	C 07 D	209/10	958	C 07 D	203/26		
		413/00	346	C 07 D	233/56	491/052	508-511	C 07 D	209/04	959	C 07 D	273/00		
241	C 07 D	261/20			403/00	487/02		C 07 D	209/32			285/00		
		413/00	347	C 07 D	233/04	209/56			209/46	960	C 07 D	229/02		
242	C 07 D	498/00	348	C 07 D	403/00	209/72	513	C 07 D	209/38	961	C 07 D	203/26		
		498/00	349,350	C 07 D	233/04	209/56			209/48	962	C 07 D	405/00		
243	C 07 D	261/04	351	C 07 D	233/28	209/76	514	C 07 D	209/48			409/00		
		261/10	352-355	C 07 D	233/04	209/90	515	C 07 D	209/44			411/00		
		261/12	356-358	C 07 D	231/00	209/56			209/52	963	C 07 D	203/04		
		413/00	359	C 07 D	231/54	209/90	516	C 07 D	209/04			403/00		
244	C 07 D	261/04			487/00	209/82			209/52	964	C 07 D	405/00		
		261/10	360-363	C 07 D	231/00	209/82	517	C 07 D	405/00			409/00		
		261/14	364	C 07 D	403/00	209/82	518	C 07 D	207/00			411/00		
245,246	C 07 D	413/00	365	C 07 D	231/00	209/88			295/00	965	C 07 D	203/04		
		413/00	366	C 07 D	231/08	209/88	519	C 07 D	207/00	966	C 07 D	203/16		
		413/00	367	C 07 D	231/08	209/88	520	C 07 D	207/40	967-969	C 07 D	203/04		
		413/00	368	C 07 D	231/08	209/82	521,522	C 07 D	207/452					
		413/00	369	C 07 D	231/54	209/86	523,524	C 07 D	207/00					
247	C 07 D	261/06			487/00	209/84			295/00					
		413/00	370	C 07 D	487/00	209/86	525	C 07 D	405/00					
248	C 07 D	261/18	371	C 07 D	231/54	209/86			409/00					
		413/00	372	C 07 D	231/56	209/82			411/00					
249	C 07 D	261/08	373	C 07 D	231/10	209/88	526	C 07 D	405/00					
		413/00	374	C 07 D	487/00	209/94			409/00					
250	C 07 D	257/04	375,376	C 07 D	231/14	209/82	527	C 07 D	409/00					
		257/10	377,378	C 07 D	231/10	209/94			411/00					
		403/00	379	C 07 D	231/06	209/56	528,529	C 07 D	207/00					
		487/00	400	C 07 D	207/00	7/02			295/00					
251-253	C 07 D	257/00			295/00	9/04			1/00					
254	C 07 D	257/04	401	C 07 D	207/00	209/56	530,531	C 07 D	207/00					
		257/10	402-404	C 07 D	209/00	209/02			295/00					
		403/00			209/00	209/04	532,533	C 07 D	207/00					
		487/00	405	C 07 F	207/00	209/52	534	C 07 D	207/00					
255	C 07 D	249/04			207/00	487/02			207/28					
		403/00			209/00	491/02	535-537	C 07 D	207/00					
		487/00			295/00	495/02	538-540	C 07 D	207/00					
256	C 07 D	487/00	406	C 07 F	5/02	497/02			295/00					
257-261	C 07 D	249/16	407	C 07 F	7/02	405/00	541	C 07 D	207/00					
		403/00			207/00	409/00	542	C 07 D	207/46					
262	C 07 D	249/08			209/54	411/00			207/48					
		249/16	408	C 07 D	209/96	209/02	543	C 07 D	295/22					
		403/00			209/54	405/00			207/12					
263-265	C 07 D	487/00	409	C 07 D	209/96	7/02			207/24					
		249/12			487/00	7/04	544	C 07 D	207/36					
		249/16			491/00	209/02			207/12					
		403/00			461,462	209/48			207/23					
		487/00	410	C 07 D	463	405/00			207/36					
266-268	C 07 D	249/14			464	7/08	545-547	C 07 D	207/40					
		249/16	411	C 07 D	465-467	9/04	548,549	C 07 D	207/444					
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		487/00			209/96	405/00			207/24					
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		249/16			9/547	411/00	552-555	C 07 D	207/267					
		403/00	416	C 09 B	5/00	209/02	556	C 07 D	207/12					
		487/00	417	C 07 D	487/00	405/00			207/24					
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302	C 07 D	235/00			5/00	411/02			207/10					
303,304	C 07 D	473/00	418	C 07 D	209/56	209/04			207/22					
305	C 07 D	487/00			470,471	209/44			207/34					
306	C 07 D	235/04			472	209/46			295/22					
307,308	C 07 D	235/30			491/00	209/48	558,559	C 07 D	207/10					
309,310	C 07 D	233/30			495/00	209/44			207/22					
311-316	C 07 D	233/00	419	C 09 B	5/00	209/02			207/34					
317	C 07 D	233/30			209/56	209/30	560-563	C 07 D	207/30					
318	C 07 D	233/00			487/00	209/40	564	C 07 D	207/323					
319-322	C 07 D	233/30			491/00	209/36	565	C 07 D	207/18					
323	C 07 D	235/30	420	C 07 D	495/00	209/34	566	C 07 D	207/08					
		473/30			209/80	7/00			207/10					
324	C 07 D	235/30	421	C 09 B	7/00	9/04			207/46					
325	C 07 D	235/04			487/00	209/32	567,568	C 07 D	207/08					
326	C 07 D	235/02			491/00	209/04			207/46					
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327	C 07 D	487/00	422	C 07 D	497/00	209/12			295/04					
328-333	C 07 D	235/04	423	C 07 D	487/14	209/18	570-572	C 07 D	207/04					
334	C 07 D	235/04			491/00	209/18			207/46					
		487/00			495/00	209/18	573-578	C 07 D	207/00					
335	C 07 D	233/54			497/00	209/20			207/46					
336	C 07 D	403/00	424,425	C 07 D	209/56	209/26			295/04					
337	C 07 D	233/66	426	C 07 D	209/56	209/12			207/06					
338,339	C 07 D	233/91			73/00	209/18	579	C 07 D	295/02					
340	C 07 D	233/91	427	C 07 J	209/56	209/04			205/00					
		403/00	428,429	C 07 D	487/00	209/14	950	C 07 D	205/00					
341,342	C 07 D	233/54	430	C 07 D	491/00	209/16	951	C 07 D	229/00					
						209/14	952,953	C 07 D	205/00					

U.S. Class 549

PART OF THE CLASS 532-570 SERIES --
ORGANIC COMPOUNDS

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14	C 07 D	327/06
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15	C 07 D	327/06
		327/10

January 1990

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 549—Con.														
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		343/00			333/66			323/00			307/94			407/00
		409/00	58	C 07 D	333/72			325/00			407/00	303-305	C 07 D	307/00
		411/00			333/56			329/00			493/02			307/78
		495/00	59,60	C 07 D	333/72			407/00	247-251	C 07 D	307/89			307/87
		497/00	61	C 07 D	409/02			493/00	252	C 07 D	307/34			307/93
16	C 07 D	327/06	62	C 07 D	409/00			9/80			407/00			407/00
		327/08			333/38	208	C 07 D	303/02	253,254	C 07 D	307/34	306	C 07 D	493/00
		327/10	63	C 07 D	333/32			321/00			307/56	307-310	C 07 D	305/12
		343/00			333/34			407/00	255	C 07 D	307/36			307/78
		411/00	64-66	C 07 D	333/36			493/00	256-261	C 07 D	307/34			307/87
		497/00			333/42	209	C 07 F		262	C 07 D	307/36			407/00
17	C 07 D	339/08	67	C 07 D	333/32	210	C 07 F	305/00	263	C 07 D	305/00	311,312	C 07 D	305/12
		341/00	68	C 07 D	333/34			307/00			407/00			307/93
		409/00			333/48			309/00	264	C 07 D	305/00	313	C 07 D	407/00
		495/00	69	C 07 D	333/36			313/00			307/00			305/12
18	C 07 D	327/10	70	C 07 D	333/42			315/00			309/00			307/32
		411/00	71	C 07 D	333/36			317/00			311/00			307/34
19	C 07 D	341/00	72	C 07 D	333/22			319/00			313/00	314-317	C 07 D	305/12
		409/00	73	C 07 D	333/22			323/00			315/00			307/62
20-22	C 07 D	339/00			333/22			325/00			317/00	318,319	C 07 D	305/12
		409/00	74,75	C 07 D	333/28			329/00			319/00			307/26
23	C 07 D	335/04			333/12			407/00			321/00			307/34
		335/06	76,77	C 07 D	333/20			493/00			323/00			307/56
		409/00	78	C 07 D	333/22			407/00			493/00	320	C 07 D	305/12
		495/00			333/16	211	C 07 D	305/00	265	C 07 D	305/14	321-326	C 07 D	305/12
24,25	C 07 D	335/04	79	C 07 D	333/18	212	C 07 D	311/00			307/94			307/26
		409/00	80	C 07 D	333/24			493/00			311/96			307/34
		495/00	81,82	C 07 D	333/08	213	C 07 D	305/00			313/06	327-329	C 07 D	305/12
26,27	C 07 D	335/08	83-85	C 07 D	333/28			309/00			313/20	330	C 07 D	493/00
		335/10			333/08			311/00			317/72	331	C 07 D	311/96
		495/00	86	C 07 D	333/10			313/00			319/00			313/06
28	C 07 D	335/02	87	C 07 D	333/08			319/00			323/00			313/20
		409/00	88	C 07 D	333/48			321/00			407/00			315/00
29	C 07 D	333/02			331/04			323/00			493/00	332	C 07 D	303/00
30	C 07 D	327/04			409/00			325/00			313/00			305/14
		343/00			495/00			407/00	266	C 07 D	321/00	333	C 07 D	319/00
31-33	C 07 D	327/04			327/02			493/00	267	C 07 D	323/00			321/00
		327/10			327/10			5/02			313/06	334	C 07 D	323/00
		339/02			339/00	214	C 07 F	305/00	268	C 07 D	313/20			317/00
		341/00			341/00			309/00			493/00			319/00
		341/00			343/00			311/00			313/06			321/00
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		409/00			411/00			319/00			313/20			493/00
		411/00			495/00			321/00			493/00	335	C 07 D	319/00
		495/00			497/00			323/00			493/00	336	C 07 D	317/72
34	C 07 D	497/00	90	C 07 D	327/02			323/04	271,272	C 07 D	313/04			319/00
		327/10			331/02			325/00			313/16			321/00
		343/00			409/00			407/00	273	C 07 D	309/00			323/00
		411/00			411/00			493/00			407/00			493/00
35-39	C 07 D	339/02			495/00			7/02	274	C 07 D	319/00			317/72
		341/00			497/00	215	C 07 D	303/02			323/04	337	C 07 D	325/00
		409/00	200	C 07 D	321/00			7/02			407/00			493/00
40	C 07 D	327/04	201	C 07 D	305/00	216,217	C 07 F	9/28	275	C 07 D	311/00			317/72
		343/00			309/00	218-222	C 07 F	9/06			407/00	338	C 07 D	493/00
		411/00			311/00			9/28			493/00			493/00
41,42	C 07 D	333/50			313/00	223	C 07 D	311/82	276-279	C 07 D	311/78	339,340	C 07 D	317/72
		409/00			319/00	224	C 07 D	311/78			407/00			319/00
		495/22			321/00	225-227	C 07 D	311/88			493/00			321/00
43-48	C 07 D	333/74			323/00	228	C 07 D	321/00	280,281	C 07 D	311/78			323/00
		333/76			323/04			323/00			407/00			325/00
		333/78			325/00			407/00	282	C 07 D	493/00			493/00
		409/00			407/00			493/00	283-288	C 07 D	311/02	341,342	C 07 D	317/72
		495/00			493/00	229,230	C 07 D	317/08	289,290	C 07 D	311/04	343	C 07 D	311/00
49	C 07 D	333/52	202	C 07 D	301/36			407/00			311/74			313/00
		333/72			303/02			493/00			311/76			493/00
		333/78	203	C 07 D	307/34	231	C 07 D	305/00	291-293	C 07 D	309/30	344	C 07 D	307/77
		409/02			309/32			309/32	294	C 07 D	309/38			311/02
50	C 07 D	495/02			313/00			313/00	295	C 07 D	307/02			313/00
51	C 07 D	333/52			493/00			319/10			407/00			493/00
		333/72	204	C 07 D	307/26			321/00	296	C 07 D	317/00	345	C 07 D	307/94
		409/02			309/16			323/00			323/00			311/96
52	C 07 D	333/62			313/00			325/00			407/00			313/06
		333/64			493/00			407/00			493/00			313/16
		333/72	205	C 07 D	307/00			493/00	297,298	C 07 D	307/77	346	C 07 D	313/00
		409/02			317/00	232	C 07 D	311/00			407/00			407/00
53,54	C 07 D	333/64			323/02			407/00	299	C 07 D	307/77			493/00
		333/72			493/00			493/00			307/91	347	C 07 D	321/00
		409/02	206	C 07 F		233	C 07 D	307/60			307/92			323/00
55	C 07 D	333/66	207	C 07 D	305/00	234,235	C 07 D	307/77			407/00	348-350	C 07 D	321/00
		333/72			307/00	236	C 07 D	307/91	300	C 07 D	307/00			321/10
		409/02			309/00			307/92			307/94			321/12
56	C 07 D	333/64			313/00			307/93			407/00			323/00
		333/72			315/00	237,238	C 07 D	307/94	301	C 07 D	307/93	351	C 07 D	321/00

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 549—Con.			539,540	C 07 D	301/00	137	C 07 F	15/00	486	C 07 F	7/04	480-488	C 07 C	203/00
352,353	C 07 D	493/00	541,542	C 07 D	301/32	138-142	C 07 F	15/02			7/06			331/00
354,355	C 07 D	313/00	543,544	C 07 D	303/06			15/04	487	C 07 F	7/08			381/00
356-358	C 07 D	309/00			303/10	143-145	C 07 F	15/06	488	C 07 F	7/12			
359,360	C 07 D	319/02			303/31	146-150	C 07 F	15/02	489	C 07 F	7/08			
		319/08	545-547	C 07 D	303/00			15/04						
		319/22	548,549	C 07 D	303/38	170-172	C 07 F	5/06						
		319/24	550	C 07 D	303/02	173	C 07 F	7/02						
			551-553	C 07 D	303/08	174	C 07 F	9/02						
					303/35	175-190	C 07 F	5/06						
361	C 07 D	493/00	554-556	C 07 D	303/12	400-403	C 07 F	7/02						
362,363	C 07 D	319/14			303/34	404,405	C 07 F	9/02						
364	C 07 D	323/04	557	C 07 D	303/32	406	C 07 F	7/08						
		493/00			303/08	407	C 07 F	7/02						
365	C 07 D	319/02	558,559	C 07 D	303/48			7/10						
		319/08			303/12	408	C 07 F	7/02						
366	C 07 D	319/14	560,561	C 07 D	303/12	409	C 07 F	7/10						
367	C 07 D	323/04	562	C 07 D	303/34			7/21						
368	C 07 D	323/06			303/08	410-412	C 07 F	7/02						
369	C 07 D	319/06	563	C 07 D	303/48	413-423	C 07 F	7/10						
370	C 07 D	407/00				424	C 07 F	7/04						
371-376	C 07 D	319/06						7/08						
377-380	C 07 D	319/12				425	C 07 F	7/10						
381-386	C 07 D	311/78						7/21						
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						433,434	C 07 F	7/08						
387	C 07 D	493/00				435-438	C 07 F	7/21						
388	C 07 D	311/82				439	C 07 F	7/08						
389	C 07 D	311/92				440-442	C 07 F	7/21						
390,391	C 07 D	311/80				443	C 07 F	7/04						
392-395	C 07 D	311/82						7/08						
396,397	C 07 D	311/00				444	C 07 F	7/04						
398-413	C 07 D	311/04						7/18						
		311/74				445-449	C 07 F	7/21						
		311/76				450,451	C 07 F	7/08						
414	C 07 D	407/00				452	C 07 F	7/21						
415-428	C 07 D	315/00						7/08						
429-431	C 07 D	307/00				453-455	C 07 F	7/04						
		317/00				456	C 07 F	7/08						
		323/02				457,458	C 07 F	7/18						
432,433	C 07 D	317/70						7/04						
434,435	C 07 D	307/00				459	C 07 F	7/08						
		317/00				460,461	C 07 F	7/04						
		323/02				462	C 07 D	7/08						
436-447	C 07 D	317/44						7/12						
448-455	C 07 D	317/00				463	C 07 D	7/21						
456,457	C 07 D	307/77				464	C 07 D	7/04						
		307/93				465	C 07 D	7/08						
458	C 07 D	307/92				466-471	C 07 D	7/12						
		307/93						7/21						
459	C 07 D	307/00						7/04						
		307/93				472,473	C 07 D	7/08						
460,461	C 07 D	307/91						7/12						
462	C 07 D	307/87				474-488	C 07 D	7/24						
		307/93				489,490	C 07 D	7/30						
463	C 07 D	307/00						7/22						
464	C 07 D	493/00				491-509	C 07 D	7/22						
465	C 07 D	307/93				510,511	C 07 D	7/24						
466-471	C 07 D	307/78						7/22						
		307/87						7/24						
		307/93						7/30						
472,473	C 07 D	307/02						7/22						
		315/00						7/24						
		407/00						7/30						
474-488	C 07 D	307/02						7/22						
489,490	C 07 D	307/48						7/24						
		307/50						7/30						
491-509	C 07 D	307/02						7/22						
510,511	C 07 D	305/00						7/24						
		493/00						7/30						
512,513	C 07 D	303/00						7/22						
514-517	C 07 D	301/27						7/24						
518,519	C 07 D	301/02						7/30						
520-522	C 07 D	301/24						7/22						
523	C 07 D	301/03						7/24						
524	C 07 D	301/03						7/30						
		301/06						7/22						
525	C 07 D	301/14						7/24						
526	C 07 D	301/16						7/30						
527	C 07 D	301/18						7/22						
528	C 07 D	301/14						7/24						
529,530	C 07 D	301/19						7/30						
531	C 07 D	301/12						7/22						
532,533	C 07 D	301/06						7/24						
534	C 07 D	301/10						7/30						
535-538	C 07 D	301/03						7/22						
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CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 560—Con.			307-310	C 07 C	331/00			243/00			63/333	560	C 07 C	241/00
		381/00	311	C 07 C	331/00			249/00	493	C 07 C	63/04			243/00
146	C 07 C	69/34			381/00			251/00	494	C 07 C	51/42			249/00
147	C 07 C	321/00			409/00			257/00	495	C 07 C	63/64			251/00
		323/00	312-315	C 07 C	239/00			273/00	496	C 07 C	53/134			259/00
		381/00			259/00			275/00			57/30			273/00
148	C 07 C	261/00			331/00			277/00	497	C 07 C	51/10			275/00
		269/00			381/00	440	C 07 C	279/00			51/12			277/00
		271/00	316	C 07 C	291/00			249/00	498-502	C 07 C	61/12			279/00
149	C 07 C	303/00	317	C 07 C	331/00			257/00			61/28	561-576	C 07 C	229/00
		307/00			381/00			259/00	503	C 07 C	61/06	577,578	C 07 C	59/147
		309/00	318	C 07 C	409/00			291/00			61/16			59/185
		311/00	330-334	C 07 C	249/00	441-458	C 07 C	229/00			405/00			59/325
150	C 07 C	315/00			251/00	459	C 07 C	59/74	504	C 07 C	61/06			59/347
		317/00			257/00			59/86			61/20			59/74
151-154	C 07 C	321/00			263/00			62/36			62/08			59/76
		323/00			265/00			62/38			62/34	579	C 07 C	59/00
		381/00			267/00			65/30	505,506	C 07 C	61/04			51/42
155	C 07 C	229/00			291/00			65/32			61/16	580	C 07 C	315/00
156	C 07 C	205/00	335	C 07 C	273/00	460	C 07 C	59/76			62/00	581	C 07 C	317/00
157-167	C 07 C	261/00			275/00			62/38	507	C 07 C	61/08			321/00
		269/00	336,337	C 07 C	249/00			65/32			61/10			323/00
		271/00			251/00	461,462	C 07 C	59/76			229/00			381/00
168-173	C 07 C	229/00			257/00			59/84			315/00	582	C 07 C	59/245
174	C 07 C	69/66			263/00			59/86			317/00	583	C 07 C	59/125
175	C 07 C	67/36			265/00			62/36			321/00			59/305
176,177	C 07 C	69/66			267/00			62/38			323/00			59/58
178	C 07 C	69/72			291/00			65/30			381/00	584	C 07 C	59/265
179,180	C 07 C	69/66	338-348	C 07 C	263/00			65/34	508	C 07 C	62/00	585	C 07 C	59/255
181	C 07 C	69/73	349-360	C 07 C	249/00	463,464	C 07 C	59/90	509	C 07 C	61/09	586	C 07 C	59/00
182	C 07 C	69/66			251/00			62/32			61/10	587	C 07 C	59/10
183	C 07 C	69/73			257/00			65/40			61/24			59/285
184-189	C 07 C	69/66			263/00	465	C 07 C	59/00			61/26	588	C 07 C	59/125
190	C 07 C	69/34			265/00			62/00			62/00			59/305
		69/52			267/00			65/00	510	C 07 C	61/16			59/58
191	C 07 C	67/48			291/00	466	C 07 C	62/06			61/22	589	C 07 C	59/08
192-199	C 07 C	69/34						62/12			61/26	590	C 07 C	55/00
		69/52						62/30			62/30	591	C 07 C	51/00
200	C 07 C	67/26	U.S. Class 562					65/105	511	C 07 C	61/00	592	C 07 C	51/36
201	C 07 C	69/34	PART OF THE CLASS 532-570 SERIES --					65/24	512	C 07 C	53/00	593	C 07 C	51/42
202	C 07 C	67/00	ORGANIC COMPOUNDS					65/30	512 2	C 07 C	27/10	594	C 07 C	55/00
203	C 07 C	67/30			467	C 07 C	63/34	59/40			53/00			315/00
204	C 07 C	67/00			468,469	C 07 C	59/40	62/30	512 4	C 07 C	55/00			317/00
		67/36	400	C 07 C	61/00			63/33	513	C 07 C	51/00			321/00
205	C 07 C	69/52			61/08			59/48	514	C 07 C	51/42			323/00
206,207	C 07 C	67/36	401	C 07 B	55/00	470	C 07 C	59/64	515	C 07 C	227/00			381/00
208	C 07 C	67/00			57/00			59/84	516	C 07 C	227/00			391/00
209	C 07 C	67/26	402	C 07 B	57/00			65/21	517	C 07 C	51/10	595	C 07 C	395/00
210	C 07 C	67/00	403,404	C 07 C	61/29			59/48			51/14			57/02
211-214	C 07 C	67/30	405	C 07 C	63/00	471	C 07 C	59/64	518	C 07 C	51/10	596	C 07 C	57/18
215	C 07 C	67/20			63/33			59/84	519	C 07 C	51/12	597	C 07 C	55/06
		67/22			63/337			65/03	520-522	C 07 C	51/14	598	C 07 C	57/02
216	C 07 C	67/00			63/44			59/56	523-526	C 07 C	51/16			57/18
217	C 07 C	67/02			63/64	472	C 07 C	59/88	527	C 07 C	51/16	599	C 07 B	35/00
		67/03			65/00			65/00			51/245			51/00
218	C 07 C	67/48			51/10	473,474	C 07 C	65/00	528-530	C 07 C	51/245	600	C 07 C	51/42
219	C 07 C	69/62	406	C 07 C	51/12	475,476	C 07 C	65/01	531-536	C 07 C	51/16	601	C 07 C	57/10
220-225	C 07 C	69/52			51/14			65/03			51/235	602	C 07 C	53/15
226-230	C 07 C	69/63			51/16	477	C 07 C	65/10	537	C 07 C	51/16			53/16
231	C 07 C	69/02	407	C 07 C	51/16	478	C 07 C	65/01	538	C 07 C	51/16	603	C 07 B	39/00
232	C 07 C	67/36	408-417	C 07 C	51/255	479	C 07 B	37/06			51/235			51/00
233	C 07 C	67/38			51/16			63/14	539	C 07 C	51/295	604	C 07 C	51/00
234,235	C 07 C	67/02	418-421	C 07 C	51/23	480	C 07 C	63/307	540	C 07 C	51/27	605	C 07 C	53/21
236,237	C 07 C	67/10			51/16			63/313	541,542	C 07 C	51/16	606	C 07 B	53/00
238,239	C 07 C	67/00	422	C 07 C	51/15			51/347	543	C 07 C	51/31	607	C 07 C	53/08
240	C 07 C	67/24	423-425	C 07 C	321/00	481	C 07 C	35/08	544-549	C 07 C	51/16	608	C 07 C	51/42
241	C 07 C	67/00	426	C 07 C	323/00	482	C 07 B	63/14	550-552	C 07 C	51/15	609	C 07 C	53/02
241.1	C 07 C	27/10			325/00			63/307	553	C 07 C	205/00			53/04
242	C 07 C	67/04			335/00			63/313			207/00			53/06
243-245	C 07 C	67/05			381/00			51/00			229/00			
246,247	C 07 C	67/04	427,428	C 07 C	315/00	483	C 07 C	51/06	554	C 07 C	227/00			
248	C 07 C	67/48			317/00			51/09	555	C 07 C	261/00			
249-266	C 07 C	67/02			321/00			51/08			269/00			
300	C 07 C	71/00			323/00	484	C 07 C	51/42			271/00	U.S. Class 564		
		409/00			381/00	485-487	C 07 C	63/33	556	C 07 C	315/00	PART OF THE CLASS 532-570 SERIES --		
301	C 07 C	261/00	429,430	C 07 C	317/00	488	C 07 C	63/337			317/00	ORGANIC COMPOUNDS		
302	C 07 C	331/00			321/00			63/46			321/00	1	C 07 C	211/00
		381/00	431,432	C 07 C	323/00			63/48			381/00	2	C 07 C	209/00
		409/00			381/00			55/28			391/00	3	C 07 C	209/00
303	C 07 C	331/00			229/00	489	C 07 C	57/34			321/00			273/00
		381/00	433	C 07 C	205/00	490	C 07 C	63/36	557-559	C 07 C	323/00	4-7	C 07 C	209/00
304	C 07 C	409/00	434-438	C 07 C	207/00	491	C 07 C	63/33			381/00	8,9	C 07 F	5/02
305	C 07 F	5/04			241/00	492	C 07 C	63/33				10,11	C 07 F	5/02
306	C 07 C	71/00	439	C 07 C										

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 564—Con.			116-122	C 07 C	291/00			257/00	315,316	C 07 C	211/00			217/00			
		5/05	123	C 07 C	233/00			263/00		C 09 B	11/02	390	C 07 C	215/00			
12	C 07 F	9/02			235/00			265/00	317	C 07 C	213/00	391,392	C 07 C	211/00			
13	C 07 F	9/547			237/00			267/00			215/00	393-398	C 07 C	209/00			
14	C 07 F	9/22	124-145	C 07 C	239/00	270-279	C 07 C	291/00			217/00	399,400	C 07 C	213/00			
		9/36	146	C 07 C	11/00			249/00			321/00	401-417	C 07 C	209/00			
		9/44			231/00			251/00			323/00	418	C 07 C	213/00			
15	C 07 F	9/02	147-151	C 07 C	241/00			257/00			381/00			43/02			
		9/26			243/00			263/00			11/02	419	C 07 B	201/00			
16	C 07 F	9/28			249/00			265/00	318	C 07 C	213/00		C 07 C	209/00			
17	C 07 C	335/00			251/00			267/00			215/00			209/00			
18-21	C 07 C	337/00	152,153	C 07 C	233/00	280	C 07 C	291/00			217/00	420-425	C 07 C	209/00			
22	C 07 C	335/00			235/00			209/00			321/00	426-429	C 07 C	211/00			
23	C 07 C	303/00			237/00			211/00			323/00	430	C 07 C	213/00			
		307/00			239/00			213/00			381/00			215/00			
		309/00	154	C 07 C	233/00			215/00	319	C 07 C	221/00			217/00			
		311/00			235/00			217/00			223/00			321/00			
		335/00			237/00			221/00			225/00			323/00			
24-31	C 07 C	335/00			239/00			223/00			11/02			381/00			
32,33	C 07 C	273/00			321/00			225/00	320	C 07 C	213/00	431-435	C 07 C	211/00			
		275/00			323/00			239/00			215/00	437-439	C 07 C	209/00			
34-37	C 07 C	281/00			381/00			259/00			217/00	440	C 07 C	321/00			
38	C 07 C	273/00	155	C 07 C	233/00			321/00			11/02			323/00			
		275/00			235/00			321/00	321-323	C 07 C	211/00	441,442	C 07 C	211/00			
39	C 07 C	303/00			237/00	281	C 07 C	211/00			11/02	443	C 07 C	215/00			
		307/00			239/00			213/00	324	C 09 B	213/00	444	C 07 C	209/00			
		309/00			235/00			215/00			215/00			211/00			
		311/00	156	C 07 C	233/00			217/00			217/00	445-451	C 07 C	209/00			
		313/00			235/00			221/00			321/00	452-463	C 07 C	211/00			
40	C 07 C	303/00	157-161	C 07 C	233/00			223/00			381/00	464-466	C 07 C	241/00			
		313/00			235/00			225/00	325	C 07 C	213/00			243/00			
41-43	C 07 C	303/00			237/00	282	C 07 C	211/00			215/00			249/00			
		307/00			239/00	283	C 07 C	211/00			217/00	467-474	C 07 C	209/00			
		309/00	162	C 07 C	321/00			213/00			323/00	475	C 07 C	213/00			
		311/00			323/00			215/00			381/00	476	C 07 C	209/00			
		313/00			381/00			217/00			11/02			213/00			
44-63	C 07 C	273/00	163-191	C 07 C	233/00			221/00			211/00	477	C 07 C	213/00			
		275/00			235/00			223/00	326	C 07 C	211/00	478-499	C 07 C	209/00			
64-73	C 07 C	273/00			237/00	284-286	C 07 C	211/00			11/02	500,501	C 07 C	321/00			
74	C 07 C	327/00			239/00	287	C 07 C	213/00	327	C 07 C	215/00			381/00			
75,76	C 07 C	333/00	192	C 07 C	233/00			215/00			11/02	502	C 07 C	221/00			
77,78	C 07 C	327/00			235/00			217/00	328,329	C 07 C	221/00			223/00			
79	C 07 C	331/00			237/00			221/00			11/02			225/00			
		381/00			239/00			223/00			211/00	503	C 07 C	215/00			
80-84	C 07 C	303/00			321/00	288-290	C 07 C	211/00			11/02	504,505	C 07 C	213/00			
		307/00			323/00	291	C 07 C	211/00	335	C 09 B	211/00			215/00			
		309/00	193-224	C 07 C	233/00			221/00			321/00			217/00			
		311/00			235/00			223/00			381/00	506,507	C 07 C	215/00			
85	C 07 C	323/00			237/00			225/00			11/02	508	C 07 C	213/00			
		381/00			239/00			227/00			211/00			215/00			
86-99	C 07 C	303/00	225,226	C 07 C	257/00	292	C 07 C	213/00	336-338	C 07 C	213/00	509-512	C 07 C	211/00			
		307/00	227,228	C 07 C	281/00			215/00	339	C 07 C	215/00						
		309/00	229	C 07 C	249/00			217/00			221/00						
		311/00			251/00			221/00			223/00						
100-102	C 07 C	313/00			259/00			223/00			225/00						
103	C 07 C	261/00			291/00			225/00			321/00	U.S. Class 568					
		269/00	230-242	C 07 C	277/00	293	C 07 C	213/00	340,341	C 07 C	213/00	PART OF THE CLASS 532-570 SERIES --					
		271/00			279/00			215/00			381/00	ORGANIC COMPOUNDS					
104	C 07 C	277/00	243-247	C 07 C	257/00	294	C 07 C	213/00	342-345	C 07 C	221/00	1-7	C 07 F	5/02			
		279/00	248	C 07 C	249/00			215/00			223/00	8-17	C 07 F	9/02			
105,106	C 07 C	261/00			251/00			217/00			225/00	18,19	C 07 C	315/00			
		269/00			257/00			221/00			213/00			317/00			
		271/00			263/00			223/00			215/00			319/00			
107	C 07 C	241/00			265/00			225/00			217/00			331/00			
		243/00			267/00	295	C 07 C	211/00	355	C 07 C	215/00			381/00			
108	C 07 C	249/00			291/00			221/00	356-359	C 07 C	209/00			321/00			
		251/00	249-251	C 07 C	241/00			223/00			213/00			323/00			
		257/00			243/00			225/00			215/00	20	C 07 C	325/00			
		263/00			249/00	296	C 07 C	209/00			217/00	21-26	C 07 C	321/00			
		265/00			251/00			221/00			213/00			381/00			
		267/00	252	C 07 C	251/00			223/00	360	C 07 C	215/00			315/00			
		277/00			257/00			225/00			215/00	27-37	C 07 C	317/00			
		279/00			263/00			227/00			213/00			319/00			
		291/00			265/00	297-299	C 07 C	291/00	361-364	C 07 C	215/00	38-73	C 07 C	321/00			
109-113	C 07 C	241/00			267/00	300,301	C 07 C	239/00	365	C 07 C	213/00			323/00			
		243/00			291/00			259/00			217/00			381/00			
114	C 07 C	249/00	253-268	C 07 C	249/00	302	C 07 C	209/00	366-374	C 07 C	211/00	74	C 07 C	315/00			
115	C 07 C	251/00			251/00	303,304	C 07 B	57/00			209/00			317/00			
		257/00			259/00	305-309	C 07 C	211/00			211/00			321/00			
		263/00			291/00	310-314	C 07 C	241/00			209/00			323/00			
		265/00	269	C 07 C	11/02			243/00			211/00			331/00			
		267/00			249/00			249/00			213/00			381/00			
		291/00			251/00			251/00			215/00						

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 568—Con.														
75,76	C 07 C	331/00	419	C 07 C	49/20	719,720	C 07 C	39/12	828	C 07 C	35/08	888	C 07 C	29/12
		381/00			49/167	721	C 07 C	39/17	829	C 07 C	35/12			31/04
	C 07 G	17/00			49/173	722	C 07 C	39/12	830	C 07 C	27/00			31/12
	C 09 B	49/00	420	C 07 C	49/227	723	C 07 C	39/16			29/00	889	C 07 C	29/12
		59/00	421,422	C 07 C	47/00	724,725	C 07 C	37/68			35/12			31/10
77	C 07 C	331/00			47/02	726	C 07 C	39/16	831	C 07 C	31/13	890	C 07 C	29/12
		381/00			47/04	727	C 07 C	39/12	832	C 07 C	35/08			31/08
	C 07 G	49/00			47/058	728	C 07 C	39/16	833	C 07 C	35/16	891	C 07 C	27/00
	C 09 B	49/00	423,424	C 07 C	47/09	729-734	C 07 C	39/12			35/08			33/02
300	C 07 C	45/87			205/00	735,736	C 07 C	39/14	834	C 07 C	29/20	892	C 07 C	27/00
301	C 07 C	49/00	425	C 07 C	207/00	737	C 07 C	39/38	835	C 07 C	35/08	893,894	C 07 C	29/00
		49/88			47/52	738	C 07 C	37/04			35/08			29/00
		49/90			47/54	739	C 07 C	37/02	836,837	C 07 C	35/06	895-897	C 07 C	29/04
		49/90	426-438	C 07 C	47/542	740	C 07 C	37/06	838	C 07 C	35/04	898	C 07 C	27/08
		45/87			45/00	741	C 07 C	37/00	839	C 07 C	29/00	899	C 07 C	29/06
302	C 07 C	49/00	439-441	C 07 C	45/90	742	C 07 C	37/68	840	C 07 C	31/00	900,901	C 07 C	29/04
		49/88			47/52	743	C 07 C	39/17			31/02	902	C 07 C	27/00
303	C 07 C	49/00			47/546	744-747	C 07 C	39/12			33/00			29/00
		49/105	442	C 07 C	47/57	748-757	C 07 C	37/68	841,842	C 07 C	31/34	902.2	C 07 C	27/00
		49/21			47/56	758-762	C 07 C	37/68	843	C 07 C	33/42			29/00
		49/385			47/565			37/82	844	C 07 C	31/34			31/02
		49/587	443-447	C 07 C	47/575	763-765	C 07 C	39/10	845	C 07 C	33/42	903	C 07 C	27/00
304	C 07 C	45/78			45/00	766	C 07 C	37/00	846-848	C 07 C	29/00			27/04
305-307	C 07 C	205/00			47/28			39/06			31/34			29/00
		207/00			47/38	767	C 07 C	37/00	849	C 07 C	33/42	904-906	C 07 C	27/00
308	C 07 C	49/213	448	C 07 C	47/02			37/045	850	C 07 C	29/00			29/00
		49/225	449-469	C 07 C	45/00	768	C 07 C	37/08	851	C 07 C	31/30	907	C 07 C	27/00
		49/563	469.9	C 07 C	41/00	769	C 07 C	37/04	852	C 07 C	31/18			27/18
		49/76			27/10	770	C 07 C	37/00	853	C 07 C	31/18			29/00
309-324	C 07 C	45/00			45/00			37/02			31/24	908	C 07 C	29/10
325	C 07 C	49/105			45/27	771	C 07 C	37/00	854	C 07 C	27/26			33/02
		49/163			45/32	772	C 07 C	37/00			29/74	909	C 07 C	27/20
		49/213	470-493	C 07 C	45/00			37/06	855	C 07 C	31/18			27/22
		49/225	494-497	C 07 C	47/02	773	C 07 C	37/00			33/04			27/24
		49/233			47/12	774,775	C 07 C	39/24	856	C 07 C	27/26			29/15
		49/245			47/14			39/34			29/74	909.5	C 07 C	29/00
		49/563			47/19	776,777	C 07 C	39/32	857	C 07 C	31/18			33/00
		49/657			47/198			39/34			33/02			33/02
		49/697			47/26			39/36	858	C 07 C	27/00	909.8	C 07 C	29/00
		49/747	557	C 07 C	41/00	778,779	C 07 C	39/24			27/02			31/00
		49/792			43/00	780	C 07 C	39/06	859	C 07 C	27/00			31/02
326-328	C 07 C	49/115	558-573	C 07 C	409/00			39/18			29/00			33/00
		49/215	575-578	C 07 C	409/00	781	C 07 C	39/06			31/18	910	C 07 C	27/10
		49/782	579-582	C 07 C	41/00	782,783	C 07 C	37/00	860	C 07 C	29/03			27/12
		49/796			43/00			39/06			31/18			27/14
		49/813	583-590	C 07 C	43/00	784	C 07 C	39/06	861	C 07 C	27/00			27/16
		49/83			205/00	785-794	C 07 C	37/00			29/00	910.5	C 07 C	41/02
329,330	C 07 C	49/23	591-601	C 07 C	43/30			37/14			31/18			27/10
		49/237			43/32			37/16	862	C 07 C	27/04			27/12
		49/252	602	C 07 C	41/00			37/18			29/14			27/14
		49/798			43/00			37/20			31/18			27/16
331-337	C 07 C	49/76	603-605	C 07 C	43/30	795	C 07 C	37/00	863	C 07 C	27/00			29/48
		49/786			43/32			37/04			27/04	911,912	C 07 C	27/10
		49/82	606-625	C 07 C	43/11	796,797	C 07 C	37/02			29/14			27/12
		49/825			43/18			37/08			31/18			27/14
		49/84			43/20	798	C 07 C	37/00	864	C 07 C	27/00			27/16
338-366	C 07 C	45/00	626-663	C 07 C	41/00	799	C 07 C	37/06			27/04	913	C 07 C	27/26
367-381	C 07 C	49/105			43/02			37/00	865,866	C 07 C	31/18	914-916	C 07 C	27/26
		49/293			43/20	800-806	C 07 C	33/34			29/00			29/88
		49/297	664-670	C 07 C	41/00	807-809	C 07 C	33/36			31/18	917	C 07 C	27/34
		49/385			43/18			33/38			27/00			29/76
		49/403			41/00	810	C 07 C	29/74	867	C 07 C	27/00	918,919	C 07 C	27/34
		49/417	671-699	C 07 C	43/00	811	C 07 C	33/26			27/26			29/86
		49/433			27/10			33/28	868	C 07 C	29/74	920-922	C 07 C	27/26
		49/437			29/10	812	C 07 C	33/46			31/18	923	C 07 C	27/26
		49/587			35/00	813	C 07 C	33/28	869,870	C 07 C	27/26			29/74
		49/613			35/02	814	C 07 C	27/00			29/74			29/78
382	C 07 C	49/04			35/04			27/04			31/22	924,925	C 07 C	201/00
		49/20	701	C 07 C	27/26			29/00			29/74			205/00
383-398	C 07 C	45/00			29/94			29/14	871,872	C 07 C	33/04	926	C 07 C	205/00
398.8	C 07 C	41/04	702,703	C 07 C	27/26	815	C 07 C	27/10			35/00	927-941	C 07 C	205/00
		27/10			29/94			29/00			27/00			205/00
		45/00			37/88			35/21	873,874	C 07 C	27/02	943-948	C 07 C	205/00
		45/32	704-713	C 07 C	205/00	816	C 07 C	35/22	875	C 07 C	27/02	949	C 07 C	207/00
399-411	C 07 C	45/00			33/18	817,818	C 07 C	35/22	876	C 07 C	27/02	950-957	C 07 C	41/00
412,413	C 07 C	49/12			33/34	819,820	C 07 C	35/24	877	C 07 C	27/00			27/10
		49/17			39/00			35/26	878,879	C 07 C	27/18			27/26
		49/175			39/02			35/28			29/14	958	C 07 C	27/00
414-416	C 07 C	49/04			39/04			35/30	880-882	C 07 C	29/16	959	C 07 C	27/00
		49/17			39/12	821	C 07 C	35/20	883	C 07 C	27/04			
		49/175			39/12	822	C 07 C	35/08	884,885	C 07 C	29/12			
417,418	C 07 C	49/04			39/16	823-827	C 07 C	35/18	886	C 07 C	29/10			
									887	C 07 C				

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 570					21/18			17/152			21/00	255	C 07 C	2/74
PART OF THE CLASS 532-570 SERIES —					21/20			17/154			23/00	256	C 07 C	4/22
ORGANIC COMPOUNDS					21/22			17/158			25/00	257	C 07 C	5/02
			163	C 07 C	17/00	224,225	C 07 C	17/15	252-255	C 07 C	17/10	258	C 07 C	7/163
101	C 07 C	17/00			19/08			17/152			17/16	259-262	C 07 C	5/03
		19/00			21/18			17/158			17/18			5/08
		21/00			23/00	226-229	C 07 C	17/34			17/22			7/163
		23/00			25/13			21/00			19/00			7/167
		25/00	164-169	C 07 C	17/00			21/02	256	C 07 C	17/00	263-265	C 07 C	5/00
102-122	C 07 C	17/42			17/08	230	C 07 C	17/10			19/00	266	C 07 C	5/10
123	C 07 C	17/00			19/08			21/00			21/00			13/465
		19/08	170	C 07 C	17/20			21/02			23/00	267	C 07 C	5/00
		21/18			19/08			21/19	257	C 07 C	17/26	268	C 07 C	5/03
		23/00	171	C 07 C	17/26	231	C 07 C	17/02			17/28			5/10
		25/13			17/28			17/04			17/30	269,270	C 07 C	5/10
124	C 07 C	19/08			17/30			17/06			17/32	271-274	C 07 C	5/05
		21/18			17/32			17/08			19/00	275-277	C 07 C	5/02
		23/00	172	C 07 C	17/28			21/00	258	C 07 C	17/00			5/03
125,126	C 07 C	17/02			21/18	232,233	C 07 C	21/02			17/16	300-332	C 07 C	1/00
		17/04	173	C 07 C	17/33			17/02			19/00			2/00
		17/08			19/08			17/04	259	C 07 C	17/00			4/00
		21/18			21/18			17/06			19/00			5/00
127-133	C 07 C	19/08			21/20			17/08	260	C 07 C	17/20			6/00
		22/00			21/22			21/00			19/00	350	C 07 C	13/00
		25/13	174	C 07 C	17/00			21/02	261	C 07 C	17/00	351	C 07 C	403/00
134	C 07 C	19/08			19/07			21/22			17/36	352	C 07 C	13/28
135,136	C 07 C	21/18			19/08	234	C 07 C	17/10			19/00	353	C 07 C	4/08
137	C 07 C	19/00	175	C 07 C	17/00			17/16			23/00			5/29
		19/07			19/08			17/18	262,263	C 07 C	17/38			5/31
		19/08			21/18			17/22	264	C 07 C	17/42			13/00
		21/14			21/20			21/00				354	C 07 C	5/31
		21/16			21/22			21/02				355,356	C 07 C	13/15
		21/18	176	C 07 C	17/10	235	C 07 C	21/22	U.S. Class 585					5/31
138,139	C 07 C	17/00			19/08			17/00	CHEMISTRY, HYDROCARBONS					13/18
		17/02			21/18	236	C 07 C	17/00						13/20
		17/04			21/20			19/00	1-5	C 07 C	7/20			13/23
		17/08			21/22			17/00						403/00
		21/18	177-180	C 07 C	17/38			21/02				357,358	C 07 C	1/20
140-142	C 07 C	19/08	181	C 07 C	17/00			21/19				359	C 07 C	1/32
		21/18			19/00			21/22				360	C 07 C	1/207
143-147	C 07 C	22/00			21/00	237	C 07 C	17/26						2/76
		25/13			23/00			17/38						13/28
148,149	C 07 C	19/08			25/00			21/00						403/00
		21/18	182-185	C 07 C	22/00			21/02				361	C 07 C	2/50
		23/00			25/00			21/19				362	C 07 C	403/00
150	C 07 C	17/00	186	C 07 C	17/00			21/22				363	C 07 C	5/25
		19/08			19/08	238,239	C 07 C	17/38	6	C 10 L	3/00	364	C 07 C	2/42
		21/18			21/18			21/00	6 3,6,6	H 01 B	3/22	365	C 07 C	5/31
		21/20			23/00			21/02	7-14	C 10 L	1/16	366-370	C 07 C	2/42
		21/22	187,188	C 07 C	17/00			21/02						13/02
151	C 07 C	17/00			19/08	240	C 07 C	17/00				371	C 07 C	2/42
		19/08			21/18			19/00				372-374	C 07 C	4/06
		21/18			23/18	241	C 07 C	17/00				375,376	C 07 C	2/02
		23/00	189	C 07 C	21/18			21/00				377,378	C 07 C	5/23
		25/00			21/20			17/08				379	C 07 C	5/32
152	C 07 C	17/33			21/22	242	C 07 C	19/00				380	C 07 C	5/42
		19/08	190-210	C 07 C	17/00			21/00				400-403	C 07 C	15/02
		21/18			22/00			21/02	15	C 07 C	9/00			403/00
		21/20			25/00			21/19	16	C 07 C	9/00	404	C 07 C	2/02
		21/22	211	C 07 C	17/38			21/22						2/64
153	C 07 C	17/00			22/00			17/15	17	C 07 C	13/00			4/02
		17/02			25/00	243-245	C 07 C	17/152	18	C 07 C	9/00			6/06
		17/04	212-215	C 07 C	17/00			17/154				405	C 07 C	2/66
		21/18			19/00			17/158	19	C 07 C	15/00	406	C 07 C	2/74
		21/20			23/00			19/00	20	C 07 C	13/00			13/28
		21/22			25/00			17/02	21,22	C 07 C	13/615			15/52
154	C 07 C	17/02	216,217	C 07 C	17/00	246,247	C 07 C	17/04				407	C 07 C	15/00
		17/04			17/02			17/08	23	C 07 C	13/00	408	C 07 C	1/00
		17/08			17/04			17/10	24	C 07 C	15/00			15/00
		21/22			17/08			21/00	25	C 07 C	15/12	409	C 07 C	1/20
155-158	C 07 C	17/00			21/00			23/00	26	C 07 C	13/465			15/00
		17/34			23/00			25/00				410	C 07 C	15/00
		19/08	218	C 07 C	17/33			17/08				411	C 07 C	5/00
		21/18			21/00	248	C 07 C	17/00	27	C 07 C	13/465			6/00
		17/02			17/02			21/00	240	C 07 C	1/00			15/00
159	C 07 C	17/04	219	C 07 C	17/04			23/00				412,413	C 07 C	15/00
		17/08			17/08			25/00				414	C 07 C	15/42
		21/18			21/00	249	C 07 C	17/00				415,416	C 07 C	15/00
160	C 07 C	17/20			23/00	250	C 07 C	17/08	241	C 07 C	4/00	417	C 07 C	2/00
		21/18	220	C 07 C	17/34			21/00						6/00
		21/20			21/00			23/00				418-421	C 07 C	2/52
161	C 07 C	17/00			21/02			25/00	242	C 10 G	1/00			6/00
		19/08	221	C 07 C	17/34	251	C 07 C	17/02	250,251	C 07 C	5/00	422-424	C 07 C	2/02
		21/18			21/22			17/04						6/12
162	C 07 C	17/00	222	C 07 C	17/156			17/08	253	C 07 C	5/22			13/28
		19/08	223	C 07 C	17/15			17/10	254	C 07 C	5/00	425	C 07 C	2/02

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation	U.S. Subclass	IPC Subclass	IPC Notation
U.S. Class 585—Con.			612	C 07 C	1/207	30-32	A 61 F	2/02	288	A 61 K	9/02	66	A 61 F	2/68
		13/38	613	C 07 C	1/26	33-35	A 61 B	17/43		A 61 M	31/00		A 61 F	2/54
		15/14	614,615	C 07 C	4/02		A 61 D	7/00	289,290	A 61 M	35/00	900	A 61 F	2/24
426	C 07 C	2/02			2/78	36	A 61 F	2/04	291	A 61 F	7/00			2/76
		15/12			4/04	37	A 61 F	13/00	292-300	A 61 M	35/00			
427	C 07 C	2/02			11/16				301-303	A 61 H	33/04			
428,429	C 07 C	2/72			11/167				304-306	A 61 F	13/00			
430	C 07 C	5/367			11/18				307	A 61 F	13/02			
		13/00			11/20				308	A 61 F	13/00			
		15/00	616-633	C 07 C	5/09	U.S. Class 604			309-311	A 61 M	35/00	U.S. Class 800		
		15/16			5/327	SURGERY			312	A 61 F	7/00	MULTICELLULAR LIVING ORGANISMS		
431,432	C 07 C	5/32	634	C 07 C	2/00	1-3	A 61 M	35/00	313-327	A 61 M	1/00	AND UNMODIFIED PARTS THEREOF		
		15/20			5/00	4-6	A 61 M	37/00	328-355	A 61 F	5/44	1	A 01 H	5/00
433	C 07 C	5/42	635,636	C 07 C	2/00	7-10	A 61 M	5/00	356,357	A 61 B	19/00			5/02
434	C 07 C	5/41			4/00	11-18	A 61 F	13/20	358-386	A 61 F	13/15			5/04
435	C 07 C	5/09			5/00	19-21	A 61 N	1/30			13/20			5/06
		15/40			6/00	22	A 61 B	17/20	387-402	A 61 F	13/15			5/08
436	C 07 C	1/207	637	C 07 C	2/88	23-26	A 61 M	37/00	403-410	A 61 B	19/00			5/10
437	C 07 C	1/20	638-642	C 07 C	1/00	27-35	A 61 M	1/00	411-416	A 61 B	19/00			5/12
		1/32	643-647	C 07 C	6/00	36-38	A 61 M	5/178		A 61 M	5/32			7/00
438	C 07 C	15/46	648-653	C 07 C	4/02	39-42	A 61 M	3/02	890.1-892.1	A 61 K	9/22			9/00
439	C 07 C	4/24	654-658	C 07 C	5/327	43-45	A 61 M	3/00	906	A 61 B	17/43			11/00
440-443	C 07 C	4/02			5/373	46,47	A 61 B	17/20		A 61 D	19/02			13/00
		5/333	659-663	C 07 C	5/333	48-57	A 61 M	37/00	U.S. Class 623					15/00
		5/367	664-670	C 07 C	5/23	58	A 61 M	31/00	PROSTHESIS (I.E., ARTIFICIAL BODY					17/00
		5/393			5/25	59-67	A 61 M	31/00	MEMBERS, PARTS THEREOF OR AIDS			U.S. Class 901		
444,445	C 07 C	2/64	671	C 07 C	5/22	68-72	A 61 M	5/30	AND ACCESSORIES THEREFOR			ROBOTS		
		4/06			5/27	73-76	A 61 M	1/06						
446-453	C 07 C	2/64	700-707	C 07 C	4/00	77-79	A 61 J	7/00	1	A 61 F	2/06	1	B 25 J	5/00
		15/067			5/00	80,81	A 61 M	5/14	2	A 61 F	2/24	2-4	B 25 J	9/00
454	C 07 C	1/00	708	C 07 C	6/08	82-92	A 61 M	37/00	3	A 61 M	1/10	5	B 25 J	9/00
		1/20	709-720	C 07 C	2/56	93,94	A 61 M	11/00	4,5	A 61 F	2/14			13/06
455	C 07 C	2/86	721-732	C 07 C	2/58	95	A 61 M	37/00	6	A 61 F	2/16	6-8	B 25 J	11/00
		2/64	733	C 07 C	1/00	96-109	A 61 M	29/00	7	A 61 F	2/52	9,10	B 25 J	9/00
456,457	C 07 C	15/107	734-751	C 07 C	5/13	110-112	A 61 M	5/00	8	A 61 F	2/12	11-27	B 25 J	11/00
458	C 07 C	2/66	752	C 07 C	4/02	113,114	A 61 F	7/12	9	A 61 F	2/20	28	B 25 J	17/00
		2/70			4/08		H 05 B		10	A 61 F	2/18	29	B 25 J	17/02
459-463	C 07 C	2/70	800-811	C 07 C	7/00	115-117	A 61 M	5/00	11	A 61 F	2/02	30	B 25 J	11/00
464,465	C 07 C	2/68	812-817	C 07 C	7/14	118-129	A 61 M	1/00	12	A 61 F	2/04	31	B 25 J	15/00
		2/70	818,819	C 07 C	7/144	130	A 61 M	5/20	13,14	A 61 F	2/08	32-35	B 25 J	15/02
466-468	C 07 C	2/68	820-831	C 07 C	7/12	131-133	A 61 M	37/00	15	A 61 F	2/10	36-39	B 25 J	15/00
469	C 07 C	1/20	832	C 07 C	7/148	134-139	A 61 M	5/20	16	A 61 F	2/28	40	B 25 J	15/06
470-475	C 07 C	5/22			7/177	140-145	A 61 M	37/00	17	A 61 F	2/44	41-45	B 25 J	11/00
		5/52	833-844	C 07 C	7/10	146	A 61 M	1/00	18	A 61 F	2/30	46-49	B 25 J	19/00
		15/12	845-849	C 07 C	7/148	147-150	A 61 M	37/00	19	A 61 F	2/40	50	B 25 J	11/00
476	C 07 C	4/24	850	C 07 C	7/152	151-153	A 61 M	1/00	20	A 61 F	2/38			
		4/26	851-855	C 07 C	7/00	154,155	A 61 M	37/00	21	A 61 F	2/42			
		5/29	856-859	C 07 C	7/17	156,157	A 61 M	5/20	22	A 61 F	2/32			
477-482	C 07 C	5/31	860-868	C 07 C	7/00	158-161	A 61 M	5/178	23	A 61 F	2/36			
483-489	C 07 C	5/22	899	C 07 C	7/20	162,163	A 61 M	5/32	24	A 61 F	2/48	U.S. Class 902		
500,501	C 07 C	4/12				164-170	A 61 M	5/178	25	A 61 F	2/70	ELECTRONIC FUNDS TRANSFER		
		2/00				171-173	A 61 M	5/00	26	A 61 F	2/72			
502-508	C 07 C	5/00	U.S. Class 600			174-180	A 61 M	5/32	27	A 61 F	2/74	1	E 05 G	
509	C 07 C	2/02	SURGERY			181,182	A 61 M	5/00	28	A 61 F	2/60	2	G 06 F	7/00
		2/18				183-186	A 61 M	5/178	29	A 61 F	2/60	3	H 04 L	9/00
510	C 07 C	2/36				187,188	A 61 M	5/00	30	A 61 F	3/00	4	G 06 K	9/00
511	C 07 C	2/04				189	A 61 M	3/00	31	A 61 F	2/60	5	G 06 K	13/00
		2/26	1	A 61 M	5/00				32,33	A 61 F	2/60	6	G 07 D	7/00
		2/34	2	A 61 M	5/02	190,191	A 61 M	5/00			2/78	7	G 07 F	7/08
512-516	C 07 C	2/24	3	A 61 M	5/00	192-199	A 61 M	5/32	34-38	A 61 F	2/80	8	G 07 G	1/14
517-533	C 07 C	2/02	4	A 61 M	3/00	200-206	A 61 M	5/24	39	A 61 F	2/62	9,10	E 05 G	1/00
534-537	C 07 C	2/00	5,6	A 61 M	5/00	207-211	A 61 M	5/00	40	A 61 F	2/64	11	B 07 C	
		4/04	7,8	A 61 M	36/00	212-217	A 61 M	5/178	41-46	A 61 F	2/64	12,13	B 65 H	1/00
538,539	C 07 C	5/32			5/00	218-231	A 61 M	5/315			2/68	14	G 07 D	1/00
		2/02			5/00	232-235	A 61 M	5/00			2/68	15	G 07 F	7/08
		4/02	9	A 61 B	17/52	236-238	A 61 M	5/315			2/68	16,17	B 65 H	7/12
		11/00	10	A 61 N	2/00	239-243	A 61 M	5/00			2/68	18,19	B 41 F	
540	C 07 C	2/78	11	A 61 B	17/52				47	A 61 F	2/64	20,21	B 41 J	
		4/06	12	A 61 M	37/00	244-250	A 61 M	5/00	48-50	A 61 F	2/66		B 41 L	
		11/00			2/00	251-256	A 61 M	5/00	51-53	A 61 F	2/66		G 06 M	7/00
541	C 07 C	2/78	13-15	A 61 N	1/00				54-57	A 61 F	2/66			
		11/00	16-18	A 61 N	1/362	257-263	A 61 M	5/00	58	A 61 F	2/54			
600	C 07 C	2/00	19	B 64 D	47/00	264	A 61 M	5/00	59	A 61 F	2/54			
		4/00			9/00						2/68			
		5/00			10/00	265,266	A 61 M	5/32			2/78			
601,602	C 07 C	11/21	20	B 64 G	6/00				60	A 61 F	2/58			
		2/76			10/00	267-269	A 61 M	25/00	61	A 61 F	2/58			
		2/78	21	A 61 G	10/02	270	A 61 M	31/00			2/68			
		5/08			11/00	271	A 61 M	5/00			2/58			
603	C 07 C	11/00	22	A 61 G	5/58	272-274	A 61 M	5/32	62	A 61 F	2/58			
		1/00	23,24	A 61 F	25/00	275-279	A 61 M	31/00	63	A 61 F	2/58			
604,605	C 07 C	1/20	25	H 04 R	21/00	280-284	A 61 M	25/00			2/68			
		1/32	26-28	A 61 M	2/00	285-287	A 61 M	31/00	64,65	A 61 F	2/54			
606-611	C 07 C	1/20	29	A 61 F	2/00									

CONCORDANCE 1990—United States to International Patent Classification

U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation	U.S. Subclass	IPC Subclass	Notation
U.S. Class 902—Con.			30-35	A 47 B		37	G 06 F		U.S. Class 935					
29	G 06 K	11/00		B 61 B		38	G 06 F	11/00	GENETIC ENGINEERING: RECOMBINANT					
		13/00		B 65 G		39	G 06 F	7/04	DNA TECHNOLOGY, HYBRID OR FUSED					
	G 11 B	5/84	36	E 05 G	7/00	40,41	G 06 F		CELL TECHNOLOGY AND RELATED					
				E 01 B					MANIPULATIONS OF NUCLEOTIC ACIDS					
									1	C 12 N	15/00			

